PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Nov. 22	Detroit, Mich.	Nov. 11
Nov. 27	Denver, Col. Adv. Nov. 11 and 18.	Nov. 11
Nov. 30	Alma, Mich. Adv. Nov. 18.	Nov. 18
Dec. 7	Saginaw, Mich.	Nov. 18
Dec. 15	Poughkeepsie, N. Y. Adv. Nov. 18.	Nov. 18

SEWERS

Nov. 26	Covington, Ky.	Nov. 18
Nov. 26	Detroit, Mich.	Nov. 18
Dec 1	Thiells, N. Y. Adv. Nov. 18.	Nov. 18
Dec. 6	Little Falls, Minn.	Nov. 18
Dec. 8	Ossining, N. Y. Adv. Nov. 18	Nov. 18

BRIDGES

Nov. 22	Alamo, Ga.	Nov. 4
Nov. 22	Victoria, B. C.	Nov. 4
Nov. 22	North Carolina	Nov 11
Nov. 23	Bridgewater, Vt.	Nov. 11
Nov. 29	Columbus, Kan.	Nov. 18
Dec. 1	Columbus, Kan.	Nov. 18
Dec. 3	Topeka, Kans.	Nov. 18
Dec. 7	Grand Rapids, Minn.	Nov. 18
Dec. 10	White Springs, Fla.	Nov. 18
Jan. 8	Miami, Fla.	Nov. 18
Mar. 1	Ontario	Nov. 4

STREETS AND ROADS

Nov. 20	South Carolina	Nov. 18
Nov. 22	Indiana	Nov. 11
Nov. 22	Columbiana, Ala.	Nov. 11
Nov. 22	North Carolina	Nov. 11
Nov. 22	Michigan	Nov. 18
Nov. 22	Linden, Tex.	Nov. 18
Nov. 23	Leavenworth, Kan.	Nov. 4
Nov. 23	Dangerfield, Tex.	Nov. 18
Nov. 23	Wisconsin	Nov 18
Nov. 24	Missouri	Nov. 11
Nov. 24	New York, N. Y.	Nov. 18
Nov. 27	Missouri	Nov. 4
Nov. 27	Indiana	Dec. 18
Nov. 29	Topeka, Kan.	Nov. 4
Nov. 30	Georgia	Nov. 11
Dec. 1	Columbus, Kan. Adv. Nov. 11 and 18.	Nov. 11
Dec. 1	New Jersey Adv Nov. 18.	Nov. 18
Dec. 1	Rhode Island Adv. Nov. 18.	Nov. 18
Dec. 2	Ft. Myers, Fla.	Nov. 18
Dec. 7	Grand Rapids, Minn.	Nov. 18
Dec. 8	Belvidere, N. J. Adv Nov. 18.	Nov. 18
Dec. 10	Florida Adv. Nov. 18.	Nov. 18
Jan. 2	Duluth, Minn.	Oct. 28
Jan. 5	Colorado Springs, Col.	Oct. 21
Jan. 10	Stockton, Kan.	Nov. 18
Mar. 30	Westboro, Ont.	Nov. 11

EXCAVATION AND DREDGING

Nov. 22	Tampa, Fla.	Nov. 11
Nov. 23	Granite Falls, Minn.	Nov. 18
Nov. 24	Willows, Cal.	Nov. 18

Bids Close		See Eng. News-Record

RAILWAYS

Nov. 30	Quebec	Nov. 11

INDUSTRIAL WORKS

Nov. 30	Marshfield, Wis.	Nov. 18
Dec. 1	Metuchen, N. J.	Oct 28

BUILDINGS

Nov. 22	Buffalo, N. Y.	Oct. 28
Nov. 22	New Bedford, Mass.	Nov. 18
Nov. 23	Pocahontas, Ia.	Nov. 11
Nov. 23	Eldorado, Kan.	Nov. 18
Nov. 23	Wash., D. C.	Nov. 18
Nov. 24	Cleveland Heights (Warrensville P. O.), O.	Nov. 4
Dec. 1	Johnstown, Col.	Nov. 11
Dec. 1	Piqua, O.	Nov. 11
Dec. 1	Glasco, Kans.	Nov. 18
Dec. 1	New York, N. Y.	Nov. 18
Dec. 3	Topeka, Kans.	Nov. 18
Dec. 3	Michell, S. D.	Nov. 18
Dec. 4	Key West, Fla.	Nov. 18
Dec. 6	Ossining, N. Y.	Oct. 21
Dec. 6	Atlantic City, N. J.	Nov. 11
Dec. 10	Brooklyn, N. Y.	Oct. 21
Dec. 15	Frederic, Wis.	Nov. 18
Dec. 15	Clear Lake, Wis.	Nov. 18
Jan. 1	Chicago, Ill.	Nov. 18
Jan. 2	Duluth, Minn.	Oct. 21
Jan. 2	Duluth, Minn.	Oct 28
Jan. 2	Cortland, N. Y.	Oct. 21
Jan. 2	Hibbing, Minn.	Nov. 4
Jan 2	Aitkin, Minn.	Nov. 11
Jan. 2	Webster, Wis.	Nov. 11

FEDERAL GOVERNMENT WORK

Nov. 24	Quartermasters Storehouses Spec. 4280—San Diego, Cal.	Nov. 4
Nov. 24	Redredging — Galveston, Tex. Adv. Oct. 21 to Nov. 18.	Nov. 4
Nov. 24	Incinerator—Quantico, Va.	Nov. 11
Nov. 24	Lighting Conduits, etc. — Springfield, Ill.	Nov. 11
Nov. 24	Boiler Plant Improvements —Spec. 4252—Charleston, S. C.	Nov. 11
Nov. 24	Removing Mast—Spec. 4314 —Pensacola, Fla.	Nov. 11
Nov. 30	Mezzanine Floor — Ft. Wayne, Ind.	Nov. 18
Nov. 30	Elevator—Lansing, Mich.	Nov. 18
Dec. 1	Refrigerating Equipment — Spec. 4303—San Diego, Cal	Nov. 11
Dec. 1	Ordnance Buildings—Spec. 4168—Kuahua, H. T.	Nov. 4
Dec. 1	Freight Elevator—Rockford, Ill.	Nov. 18
Dec. 2	Mezzanine Floor — Chicago, Ill.	Nov. 18
Dec 6	Mailing Vestibule, etc. — Spartansburg, S. C.	Nov. 18
Dec. 9	Surface Drainage System —Galveston, Tex.	Nov. 18
Dec. 20	Steel Dump Scows—Louisville, Ky.	Nov. 18

MISCELLANEOUS

Nov. 22	Docks—Detroit, Mich.	Nov. 11
Nov. 22	Lock and Dam—Chicago, Ill.	Oct. 21
Nov. 22	Pipe and Specials — East Orange, N. J.	Nov. 18
Nov. 23	Heating, etc. —Ossining, N. Y.	Oct. 28

Bids Close		See Eng. News-Record
Nov 23	Dumping Scow—New York, N. Y.	Nov. 18
Nov. 26	Dryer Cylinder, etc.—New York, N. Y.	Nov. 18
Nov. 29	Underground Cables—New York, N. Y.	Nov. 18
Dec. 1	Heating Work—Central Islip, New York, N. Y. Adv. Nov. 11 and 18.	Nov. 11
Dec 14	Dock Wall—Buffalo, N. Y. Adv. Nov. 18.	Nov. 18

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Ky., Covington — City voted $250,000 bond and soon receives bids building 10,000,000 gal. pumping unit and boilers. W. W. Stewart, city engr.

Ky., Harrodsburg—City voted $100,000 bonds to improve waterworks system. Noted Oct. 28.

O., Hamilton—City plans to extend water mains and drill several new wells, involving 1,500 ft. 4-6 in. c. i. pipe. About $150,000. W. Weaver, city eng.

O., Niles—City voted $75,000 bonds to enlarge buildings, purchase new equipment and extend water mains. Noted Nov. 11.

Mich., Benton Harbor—City plans to build new waterworks system of 6,000,000 gal. daily capacity.

Ill., Waukegan—City having plans prepared for filtrating plant, pumping station and intake. About $600,000. Hoad & Decker, Ann Arbor, Mich., engrs.

Ia., Dunlap—City voted $39,000 bonds to build waterworks extensions.

Ia., Mason City—City voted $300,000 bonds to enlarge waterworks system, to include building reservoir and new wells and deepening present wells. F. P. Wilson, city engr.

Minn., Rush City—City plans to build waterworks system. About $60,000. J. F. Somers, clk. Druar & Milinowski, 512 Globe Bldg., St. Paul, engrs.

Minn., St. Paul — City voted $3,000,000 bonds for enlarging water plant, involving 8 mi. pipe line to Mississippi River, pumping station, filter plant, etc. O. Claussen, city engr.

Kan., Topeka—City having plans prepared by Black & Veatch, engrs., Interstate Bldg., Kansas City, Mo., for filtration and softening plant. Bonds for $535,000 voted for project.

Neb., Rulo—City having surveys made by E. Archer Co., engrs., 612 New England Bldg., Kansas City, Mo., for waterworks system. About $30,000.

S. D., Yankton—City election Nov. 23, to vote on $70,000 bonds to extend waterworks system. J. W. Summs, clk.

Wyo., Casper—City voted $500,000 bonds to extend municipal waterworks system. Noted Sept. 23.

Wyo., Laramie—City voted $119,500 bonds to improve waterworks system. Noted Oct. 7.

Waterworks (Continued)

Tex., Mineral Wells—City voted $200,000 bonds to lay pipe line and equip water supply plant at Lake Mineral Wells. W W McClendon, city engr.

Idaho, Weiser—City election Dec. 1, to vote on $125,000 bonds to build waterworks system. Burns & McDonell, 400 Interstate Bldg., Kansas City, Mo., engrs.

Utah, Price—City election Dec. 1, to vote on $50,000 bonds to enlarge and renew present water system. W W Jones, Price, engr.

Wash., Seattle—City authorized issuance of $6,000,000 bonds for water supply extensions. Bids will soon be received for inlet dam on east side of Swan Lake, to be 20 ft. high, 12 ft. thick at top, 100 ft. through at base and 450 ft. long; also outlet dam at south end of basin, 25 ft. high, 12 ft. thick at top, 145 ft. through at base and 1,300 ft. long. Following completion of dams lake will be filled; next problem in carrying of Swan Lake development work will be construction of new 68 in. steel pipe line, to cost $3,000,000, for which new bids will be called previous to first of year.

Cal., Vallejo—City voted $1,250,000 bonds to bring water from Gordon Valley, for city and navy yard purposes. Project involves building reservoir of 2,000,000,000 gal. capacity, 75 ft. earthen dam, and 12 mi. pipe line of 5,000,000 gal. daily capacity. T. D. Kilkenny, city engr. Noted Sept. 9.

Ont., Forest—Town plans election to vote on $50,000 bonds to build water-works system. Address H. J. Pettypiece, Forest.

Ont., Wingham—Town plans election to vote on $50,000 bonds to lay new mains, drill additional well and increase capacity of present reservoir.

BIDS DESIRED

Mass., Fall River—H. K. Barrows, engr., 63 Beacon St., Boston, receiving bids building 1 story, 35 x 40 ft. brick and rein.-con. pumping station, also dam at Watuppa Pond, for city. About $150,000.

N. Y., Ossining—See "Sewers."

N. Y., Poughkeepsie—Until Dec. 15, by State Hospital Comn., Capitol, Albany, altering and building additions to water supply system, to include additional filter, change of watermain and new reservoir. E. S. Elwood, secy.; advertised in this issue.

N. Y., Thiells—See "Sewers."

Mich., Alma—Until Nov. 30, by W. E. Reynolds, city mgr., furnishing one 150,000 gal. elevated tank (alternate bids on 200,000 gal. tank) and one 1,000,000 gal. reservoir; advertised in this issue. Noted Oct. 21.

Mich., Saginaw—Until Dec. 7, by city, furnishing, laying, connecting, testing and making water tight pipe connection from Porter St. to Washington Ave. Hazen, Whipple & Fuller, 30 East 42nd St., New York City, consult. engrs.; advertised in this issue.

Okla., Vinita—Until Jan. 10, by city, building 2 concrete dams, 5 mi pipe line, plant, tower and intake. Bond for $460,000 voted for project. H. G. Olmstead & Co., 417 Oil Exch., Oklahoma City, engrs. Noted Sept. 23.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Boston—Pub. Wks. Dept., City Hall Annex, let contract laying c.i. water pipes and necessary appurtenances, on Battery and Atlantic Sts., to T. Russo, 72 Pinehurst St., Roslindale. About $15,000.

★O., Garfield Heights (Cleveland P. O.)—Village let contracts laying 4-10 in. c. i. water mains in Parkheights and Plymouth Aves., to A. Lanese, Columbia Bldg., Cleveland, $14,516 and $16,777 respectively; McCracken Rd., to Salem & George Bros., 237 Bradley Court, Cleveland, $29,053; Garfield Blvd., to Curro Bros., Murray Hill Rd., Cleveland, $5,554. Noted Oct. 14.

★Wis., Janesville—City let contract furnishing and erecting pumping engine, to Murray Iron Wks., Burlington, Ia., $46,538. Noted Oct. 28.

★Minn., Wells—City let contract building waterworks system, to O. H. Olson & Co., Stillwater, $15,225.

★Kan., Portis—City let contract building waterworks system, including water tower, distributing system, etc., to C. H. Everett, Hutchison, $25,590. Noted Oct. 21.

★Tex., Dallas—City will lay about 1 mi. 12 in. c.i. water mains in McKinney Ave. from Haskell to Knox Sts. About $21,000. Work will be done by day labor.

Sewers

PROPOSED WORK

N. Y., Syracuse—Common Council ordered building of sewers in Maplewood Ave., Court, Dale, Hillside and Wadsworth Sts., 8-10 vitr. and segmental block pipe. About $27,600. H. C. Allen, City Hall, engr.

N. J., Glen Rock (Ridgewood P. O.)—Boro having plans prepared by H. J. Harder, engr., for sewerage system.

N. J., Trenton—Bd. Freeholders Mercer Co. plans to build drains along Brunswick Pike between Clarksville and Millstone River, involving 7,210 ft. 10-24 in vitr. pipe, 5,900 ft. 6 in. French drain, 26 inlets, etc. About $25,000. H. Harris, Court House, engr.

Pa., Reading—See "Buildings."

N. C., Durham—City plans to issue $100,000 bonds to extend sewers in various streets. H. W. Kueffner, city engr.

Ky., Louisville—City plans to extend sewers in various streets. About $100,000. J. Chambers, city engr.

O., Bedford—Village receives bids in spring building 5,500 ft. 10 in. vitr. sewer in Center Rd. E. T. Wright, Bedford, engr.

O., Warren—City plans to build 8,744 ft. storm and sanitary sewers in Red Run Dist. About $544,000. A. Potter, 50 Church St., New York City, engr.

Ind., Hobart—Bd. Trustees had preliminary estimates made for building sewers in Dist. 2, involving 10,000 lin.ft. 10-36 in. pipe. About $75,000. W. J. Krull, Hobart, civil engr.

Wis., Ellsworth—City had preliminary plans prepared and receives bids in March, building sewerage system. Druar & Milmowski, 512-14 Globe Bldg., St. Paul, Minn., engrs.

Minn., Red Wing—City voted $50,000 bond for sewers, paving and fire protection. Noted Oct. 21.

Kan., Scandis—City having plans prepared for new sewerage system. E. T. Archer Co., 612 New England Bldg., Kansas City, Mo., engrs.

Wyo, Casper—City voted $150,000 bonds to extend sewerage system. Noted Sept. 23.

Wyo., Laramie—City voted $162,000 bonds to improve sewerage system. Noted Oct. 7.

Tex., Austin—City election Dec. 12, to vote on $20,000 bonds to improve and extend sewage disposal plant. C. E. Leonard, city engr.

Tex., Austin—City election Dec. 14, to vote on $55,000 bonds to extend sanitary sewerage system. C. E. Leonard, city engr.

Tex., Breckenridge—City plans election to vote on $250,000 bonds to build sewerage system.

Okla., Ft. Gibson—City plans to build new sewerage system, involving 5¼ mi. 8-12 in. pipe. About $70,000. Engineer not selected.

BIDS DESIRED

N. Y., Ossining—Until Dec. 8, by C. F. Rattigan, supt. State Prisons, Capitol, Albany, building sewerage and water supply systems, here. Advertised in this issue. Noted Oct. 21.

N. Y., Thiells—Until Dec. 1, by F. A. Vanderlip, pres. Bd. Mgrs. Letchworth Village, 7 Wall St., New York City, building underground sewer, water and electric service connections, here. Advertised in this issue.

Ky., Covington—Until Nov. 26, by Comn. Pub. Wks., building sewers in 27th St., Madison and Decoursey Aves., involving 5,800 ft. 6-18 in. vitr. tile pipe, etc. W W. Stewart, city engr.

Mich., Detroit—Until Nov. 26, by J. A. Martin, comr. Pub. Wks., building and finishing various sections of Six Mile Rd. Sewer. Sect. 5, from Lumkin to Omira Aves., involves 4,500 ft. 10 ft. 6 in. cylinder, etc.; Sect. 6, from Omira to 3rd Aves., 4,183 ft. 19 ft. 8 in. and 9 ft. 6 in. cylinder, etc.; Sect. 7, from 3rd to Linwood Aves., ft. 9 ft. and 8 ft. 3 in. cylinder, etc. Hubbell, city engr.

Minn., Little Falls—Until Dec. 6, Johnson, city. clk., building trunk sewer Dist. 2, involving 5,250 ft. 15-20 in., 13 manholes, 11 catch basins, 330 ft. vitr. pipe connections, 1 outlet concrete. About $30,000. C. L. Pillsbury Co., Metropolitan Life Bldg., Minneapolis, engr.

Kan., Stockton—Until Jan. 10 by building vitr. and c.i. sanitary sewers various streets. Former bids rejected. About $65,000. E. T. Archer Co., 609 England Bldg., Kansas City, Mo., engr. Noted Oct. 21.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Me., Portland—City let contracts constructing 712 ft., 8-12 in. vitr. pipe sewer in Manners Ave. and right of way, to Profenno, 255 Capisic St., $5,463; 1,268 ft. 24 in. vitr. pipe sewers in Allen Ave., A. D. Pietrino, 67 Fore St., $11,938.

Mass., Chicopee—F. P. Cobb, city engr., received only bid completing Williams sewer in McKinstry Ave. and Meadow Rd. segmental block, from Cordner & Montague, 373 Bay St., Springfield. About $185,000. Noted Nov. 4.

★Conn., Hartford—City let contract building vitr. sewer in Gidding St., to A. D. Ambrosio, 84 Silver Lane, East Hartford, $5,000; Chapel St., to B. Silvestri, Otis St., $10,000.

★N. Y., Middletown—State Hospital Comn., Capitol, Albany, let contract constructing underground sewer connections for chronic building, here, to T. E. O'Brien, Inc., 6303 5th Ave., Brooklyn, $25,700. Noted Oct. 28.

N. Y., Syracuse—Intercepting Sewer Comn., City Hall, received bids Nov. 8 building sewers in Plum and Spencer Sts., from J. Young, Eastable Blk., $258,551; Grant, Smith & Co., Utica, $265,807; Wilming-Turner Constr. Co., Stewart Bldg., Baltimore, Md., $348,285. Noted Oct. 21.

D. C., Wash.—Dist. Comrs. received bids constructing sewerage system, involving 1,000 lin.ft. of 15 in. pipe (1) excavation (2) sewer brick masonry (3) terra cotta pipe sewer, from G. Hyman, West Virginia Ave., N. E., (1) $1.60 (2) $30, (3) $1.10; W. F. Cush, 3rd and R Sts., N. E., (1) $1.49 (2) $37, (3) $1.85; G. B. Mullin Co., 3303 11th St. N. W., (1) $1.90 (2) $29.35, (3) $1.6[illegible] lin.ft.

★O., Garfield Heights (Cleveland, P. O.)—Village let contracts to A. Lanese, Columbia Bldg., Cleveland, building sewers in Plymouth Ave., cost $12,777, Park Heights Ave., $13,096, South Highland Ave., $3,253. Salem & George Bros., 237 Bradley Court, Cleveland, in Heinton Ave., East 95th, 96th and 97th Sts., $12,245. Noted Nov. 11.

★O., Springfield—City let contract furnishing and laying 1,200 ft. 6-12 in. vitr. pipe sewer, in west side streets, to F. H. Krumholst, Springfield, $15,215.

★O., Yorkville—City let contract building 3 mi. sewer in 3 Sewer Dists., involving 72 manholes, 21,000 cu.yd. earth trenching, to E. C. Baker, Uniontown, Pa., $64,484. Noted Sept. 23.

★Mich., Milford—Village let contract furnishing labor and material building sewerage system, involving 3,665 ft. 8-15 in pipe, 1 septic tank, etc., to M. C. Livingstone, Pontiac, $12,534; 2,500 cu. yd. earth fill, to Wells & Odlen, Penobscot Bldg., Detroit, $1.47 per cu. yd., total $3,675. Noted Oct. 14.

★Minn., Milaca—City let contract building sewerage system to Milaca Bridge Co., Milica. About $22,500.

★Mo., Cameron—City let contract building clay sewers in various streets, involving 5,845 ft. 8 in. vitr. pipe, etc., to Johnson & Kobett, Cameron, $13,467. Noted Oct. 21.

★Tex., Dallas—City let contract for 25,000 cu.yd. earth trenching and laying 2 mi. vitr. and tile pipe sewers in connection with sanitary sewerage system in Parkview Addition, to Klein Bros., Junius and Walton Sts., $38,773; pipe, to Blackmer & Post Pipe Co., Dallas, $18,861. Noted Nov. 4.

★Col., Haxtum—City let contract building sanitary sewers in various streets, to Gordon Constr. Co., Century Bldg., Denver. About $60,000.

sewers (Continued)

★**Utah, Delta**—City let contract building sewers in various streets, to C. Thompson, Delta, $100,519.

★**Ariz., Yuma**—City let contract building sewerage system in Dist. 3, involving 69,820 ft. 4-20 in. vitr. clay pipe, 8 flush tanks, 52 manholes, 16 x 16 ft. concrete pump house, and pumping unit complete, to C. Fisher, 28 Willetta St., Phoenix, $139,461. Noted May 13.

Bridges

PROPOSED WORK

N. Y., Albany—New York Central R.R., Grand Central Terminal, New York City, plans to build bridge between Shodack Landing and Fura Bush, 10 mi. from here. About $20,000,000. P. H. Dudley, consult. engr.

Fla., Bradentown—See "Streets and Roads."

O., Kenton—Hardin Co. voted $250,000 bonds to build 14 new steel bridges, on concrete piers and abutments, (to have spans varying from 100 to 140 ft.) over Scioto River. S. W. Enterline, co., engr.

Ia., Ft. Dodge—J. L. Hanrahan, aud. Webster Co., soon receives bids building D.D. 306, involving 24,100 lin.ft. 6-36 in tile, cost $62,247. D.D. 247, 46,590 lin.ft. 6-48 in. tile, $120,890. J. L. Ransom, co. drainage engr.

Wis., West Allis (Milwaukee P. O.)—City having plans prepared for rein.-con. span bridges, on 77th and Jersey Sts., and 77th and Arthur Sts. About $16,000. A. Schneider, City Hall, engr.

Kan., Norton—Norton Co. had plans prepared for Bridge No. 10, to have 50 ft. through girder span. T. F. Bright, Norton, engr.

South Dakota—State Highway Dept., Pierre, soon receives bids building 525 ft. bridge over Cheyenne River, in Fall River Co., Federal Aid Project 69, to have three 174 ft. trusses on 2 center piers and abutments, involving 207 cu.yd. excav., 190 cu.yd. concrete, 400,000 lb. structural steel, 18,000 lb. steel piling, etc. About $50,200. J. E. Kirkham, bridge engr.

Missouri—State Highway Dept., Jefferson City, plans to build steel truss superstructure with I beam approaches, 2 rein.-con. bents, 2 mass concrete and 2 rein.-con. piers, over White River, near Forsyth, Federal Aid Project 163, Taney Co., involving 357.2 cu.yd. Class "B" and 96 cu.yd. Class "C" concrete, 8,569 lb. reinforcing and 328,100 lb. fabricated structural steel, 4,875 lb. steel castings, etc., cost $62,500; steel truss superstructure with I beam approaches, 4 rein.-con. pile bents, 2 rein.-con. piers, over Osage River, on Butler-Nevada Rd., Federal Aid Project 166, Vernon Co., 71.2 cu.yd. Class "B" and 40.4 cu.yd. Class "C" concrete, 1,750 lb. reinforcing and 77,800 lb. fabricated structural steel, 1,650 lb. steel castings, 14,250 ft. untreated and 6,775 ft. creosoted timber, etc., $21,000; rein.-con. skew slab superstructure and facing old abutments with concrete, over Gravois Creek, on state road, St. Louis Co., 22.8 cu.yd. Class "A," 162 cu.yd. Class "B" and 78.5 cu.yd. Class "C" concrete, 14,630 lb. reinforcing steel; rein.-con. through girder superstructures, facing old abutments with concrete and adding rein.-con. extensions to wings, on following bridges, over Mattis Creek, on Lemay Ferry Rd., Federal Aid Project 80, St. Louis Co., 6.1 cu.yd. Class "A" and 193.7 cu.yd. Class "B" concrete, 20,420 lb. reinforcing steel; over West Branch of Grand Glaze Creek, on Sta. 480 plus 00, Manchester Rd., Federal Aid Project 77, St. Louis Co., 3.8 cu.yd. Class "A" and 92.9 cu.yd. Class "B" concrete, 8,450 lb. reinforcing steel; over branch of Grand Glaze Creek, on Sta. 351 plus 00, Manchester Rd., Federal Aid Project 77, St. Louis Co., 150.6 cu.yd. Class "B" and 4.3 cu.yd. Class "A" concrete, 13,520 lb. reinforcing steel; over center branch of Grand Glaze Creek, on Manchester Rd., Federal Aid Project 77, St. Louis Co., 4.8 cu.yd. Class "A" and 217.6 cu.yd. Class "B" concrete, 18,860 lb. reinforcing steel; over Fish Pot Creek, on Sta. 581 plus 00, state road, St. Louis Co., 117 cu.yd. Class "B" and 4.3 cu.yd. Class "A" concrete, 11,630 lb. reinforcing steel.

Tex., Austin—City election Dec. 12 to vote on $25,000 bonds to build bridge. C. H. Leonard, city engr.

Tex., Corpus Christi—Nueces Co. had plans prepared for 8,511 ft. bridge, 20 ft. wide, over Neches Bay. About $110,000. O. N. Powell, co. engr.

Tex., Del Rio—Val Verde Co. having plans prepared building 600 ft. concrete low-water bridge over Rio Grande River. About $100,000. W. E. Simpson Co., Hicks Bldg., San Antonio, engrs.

Tex., Orange—Orange Co. had plans prepared and soon receives bids building 690 ft. rein.-con. bridge, 18 ft. roadway, over Adams Bayou, to have 60 ft. through girder and concrete trestle approaches. Work involves 1,067.7 cu.yd. 1:2:4 rein.-con., 2,508 lin.ft. concrete piling, 109,866 lb. reinforcing and 1,106 lb. structural steel, etc. About $56,000. J. E. Johnson, co. engr.

BIDS DESIRED

Conn., Beckley—Palmer & Ludorf, archts and engrs., 122 Main St., New Britain, receiving bids constructing rein.-con. railroad trestle and siding, over Sebethe River, for Allied Trap Rock Co., here. About $15,000.

Fla., Miami—Until Jan. 8, by city, building double leaf steel bascule span bridge over Miami River on Ave. G, to have 115 ft. clear span, 30 ft. roadway and two 6 ft. walks, rein.-con. bascule piers and retaining walls. C. W. Murray, city engr. Harrington, Howard & Ash, 1012 Baltimore Ave., Kansas City, Mo., consult. engrs.

Fla., White Springs—Until Dec. 10, by State Highway Dept., Tallahassee, building through steel truss bridge, 20 ft. roadway, 228 ft. center to center pins, rein.-con. abutments, here, involving 503 cu. yd. concrete, 3,480 lin. ft. wood foundation piling, 34,500 lb. steel reinforcing, 41,000 lb. structural steel, 15,200 lb. cast steel plates, rollers, etc. C. A. Browne, state highway engr.

Minn., Grand Rapids—Until Dec. 7, by T. Erskine, aud. Ithasca Co. building Bridge 3252, over Mississippi River to have four 60 ft. Strauss trunnion bascule spans. About $100,000.

Minn., Grand Rapids—Until Dec. 7, by T. Erskine, aud. Ithasca Co. building Bridge 3303 over Prairie River, to have three 75 ft. low truss steel spans, 20 ft. roadway, concrete abutments, involving 160,815 lb. steel, etc. About $30,000. Noted July 15.

Kan., Columbus—Until Nov. 29 by Cherokee Co., building Slough Bridge, 150 ft. long, to have three 50 ft. T girder spans (with alternate design by Topeka Bridge & Constr. Co. for three 50 ft. arch spans), concrete or steel; Spring River Bridge, 512 ft. long, to have eight 60 ft. T girder spans (alternate design by Topeka Bridge & Constr. Co.) for seven arch spans, 67-76 ft. and probable alternate by Kansas Bridge Co. for steel bridge (number of spans not determined), concrete or steel. C. M. Cooper, Columbus, engr.

Kan., Columbus—Until Dec. 1, by Cherokee Co., building 150 ft. Marsh arch or T girder bridge, 18 ft. wide, cost $30,000; 550 ft. steel or concrete bridge, Marsh arch or T girder, 18 ft. wide, $125,000. C. M. Cooper, Columbus, engr.

Kan., Topeka—Until Dec. 3, by Shawnee Co., building marsh arch bridge on Rochester Rd., involving 1,000 cu. yd. rein.-con., 40 ton steel, 3,500 lin. ft. wooden piling and 500 cu. yd. earth approach and fill. About $40,000. A. C. Lagerwall, Topeka, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Thomaston**—Maine Central R.R., Portland, let contract building steel bridge, over Mill Creek, to Amer. Bridge Co., 120 Franklin St., Boston. About $15,000.

★**N. Y., Long Beach**—Bd. Supervs. Nassau Co., Court House, Mineola, let contract building bridge over Wreck Lead, here, to J. T. Brady & Co., 103 Park Ave., New York City, $979,840. Noted Oct. 28.

★**Mo., Jefferson City**—Cole Co. let contract to Kansas City Bridge Co., 510 Orear Leslie Bldg., Kansas City, Mo., building steel bridge over Osage River, near Huber Ferry, Federal Aid Project 12, consisting of one 100 ft. steel truss vertical lift span, flanked on each side by two 140 ft. and one 60 ft. steel truss spans, involving 2,400 lb. wire ropes, at $0.45 per lb., 44 cu. yd. concrete counterweights, $34, 570 cu. yd. concrete pier bases, $70, 530 cu.yd. concrete pier shafts, $34, 80 cu. yd. concrete end piers, $34, 5,250 lin. ft. foundation piles, $2.10, 2,250 lin. ft. pile cutoffs, $0.42, 130 cu. yd. excav.-end piers, $4.50, etc., total cost $125,428. Noted Oct. 28.

Tex., Laredo—Laredo Bridge Co. received bids Oct. 29, building 810 ft. rein.-con. arch bridge, 39 ft. wide, over Rio Grande River, to have five 150 ft. arch spans and one 60 ft. girder span, from J. De Puy, Bedell Bldg., San Antonio, $287,390; H. F. Friestedt Co., Houston, $119,000; McKenzie Constr. Co., Bedell Bldg., San Antonio, $125,000; including estimated cost and fee. Noted Oct. 21.

★**Wash., Yakima**—Yakima Co. let contract building Moxee Bridge, near here, to have two 301 ft. steel spans, 20 ft. wide, to Union Bridge Co., Seattle, $94,987. Noted Nov. 4.

Streets and Roads

PROPOSED WORK

Pa., Reading—See "Buildings."

North Carolina—State Highway Comm., Raleigh, plans to topsoil 5.11 mi. road from Shelby to Cherokee Co. line, Federal Aid Project 131, Cleveland Co., $37,300; 8 mi. road from Lenoir to Wilkes Co. line and 15.72 mi. road from Lenoir to Catawba Co. line, Federal Aid Project 139, Caldwell Co., $40,000 and $93,489 respectively; surface 7 mi. Bakersville-Spruce Pine Rd., Federal Aid Project 135A and 7 mi. above mentioned road, Federal Aid Project 135B, Mitchell Co., gravel or waterbound macadam, $100,000 each; 5 mi. Boone-Blowing Rock Rd., Federal Aid Project 134A and 7.5 mi. road from Boone to Caldwell Co. line, Federal Aid Project 134B, Wautauga Co. waterbound macadam, $90,000 and $111,916 respectively; 17.93 mi. road from Almond to Topton, Macon Co., shale or gravel $260,000; 14 mi. Federal Aid Project 141, Yancey Co., shale or gravel, $158,646; 13 mi. road from Robinsville to Topton, Graham Co., gravel, $130,000; 10.22 mi. road from Hendersonville to Transylvania Co. line Federal Aid Project 115, Henderson Co., sand and gravel, $100,903; 6 mi. first section road from Hayesville to Cherokee Co. line, Federal Aid Project 118A and 6 mi. second section above mentioned road, Federal Aid Project 118B, Clay Co., sand and gravel, $62,000 each. W. S. Fallis, state highway engr.

N. C., Burlington—City plans to issue $22,000 bonds to pave various streets. M. W. McPherson, clk.

N. C., Durham—City plans to issue $125,000 bonds to grade, drain and pave various streets. H. W. Kueffner, city engr.

N. C., Greensboro—Guilford Co. election Dec. 14 to vote on $2,000,000 bonds to build hard-surfaced roads. Noted May 27.

N. C., Lillington—Stewarts Creek Twp., Harnett Co., plans to issue $25,000 bonds to grade, drain and surface 7 mi. Raleigh-Fayetteville Highway through Stewarts Creek Twp. W. T. Smith, Duke, engr. and secy. Twp. Rd. Comm.

South Carolina—State Highway Comm., Columbia, plans to topsoil 15 mi. Dorchester-Reevesville Rd., Dorchester Co.

South Carolina—State Highway Comm., Columbia, plans build 23.12 mi. Chesterfield-Chesaw Rd. and 3.28 mi. Washington-Atlanta Highway, Chesterfield Co., gravel.

South Carolina—State Highway Comm., Columbia, plans to build 7.92 mi. road from Manning toward Sumter, Federal Aid Project 44, sand clay, Clarendon Co.; 19.77 mi. road from Marion Co. line via Dillion to Marlboro Co. line, Federal Aid Project 50, gravel, Dillion Co.; 1.76 mi. Sect. 3, Dixie Highway, Federal Aid Project 55, cement concrete and 8.1 mi. Sect. B, above named road, top soil, Greenwood Co.; 11.03 mi. road from Clarendon Co. line to Kingstree, Federal Aid Project 80, sand clay, Williamsburg Co.; 0.67 mi. road through St. Matthews, Federal Aid Project 104, asphaltic concrete, Calhoun Co.; top soil 6.52 mi. road from Rock Hill to Roddeys Station, Federal Aid Project 71, York Co.; 12.54 mi. Sections A and B, road from end Project 24 to point near Spartanburg, southeast to Union Co. line; Federal Aid Project 73, Spartanburg Co.; 5.33 mi. road from Forest Creek to Spartanburg Co. line, Federal Aid Project 92, and 3.73 mi. road from Kelleys Station to end Federal Aid Project 94, Federal Aid Project 100, Union Co. C. H. Moorefield, state highway engr.

Streets and Roads (Continued)

Florida—State Highway Comn., Tallahassee, plans to pave (on top present shell road) 8 mi. road south of Jacksonville to Goodby Lake, 16 ft. wide, vitr. brick; grade and pave 40 mi. road from Brooks Co. (Georgia) line to Lake City, 16 ft. wide, Sanford Co., brick or asphalt. C. Brown, state highway engr.

Fla., Bradentown—City voted $160,000 bonds to build road and bridge from here to Annamaria Island and Gulf Beach.

Ala., Decatur—Morgan Co. voted $440,000 bonds to build state and Federal roads.

Ohio—State Highway Comn., Columbus, cancelled following projects:

Ashland Co., Sect. "C" Ashland-Wooster Rd., 0.378 mi., grading, constructing bridges and culverts and paving with bituminous concrete or brick.

Franklin Co., Sect. "P" Columbus-Sandusky Rd., 2.02 mi., grading, constructing drainage structures and paving with brick.

Putnam Co., Sect. "M" Van Wert-Ottawa Rd., 3.865 mi. grading, constructing bridges and culverts and paving with Kentucky rock asphalt on waterbound base.

Section "Ottoville" Van Wert-Ottawa Rd., 0.595 mi., grading, constructing bridges and culverts and paving with Kentucky rock asphalt on waterbound base. Noted Nov. 4.

Ohio—State Highway Dept., Columbus, plans to build Sect. of Cleveland-Wooster Rd. between Seville and Medina, cost $45,000, also Sect. of Cleveland-Wooster Rd., between Seville and Creston, $36,120, both in Medina Co.

Ohio—State Highway Comn., Columbus, plans to build roads in following counties:

Licking Co., Newark-Mt. Vernon Rd., concrete, cost $27,000.

Seneca Co., Fremont-Tiffin Rd., bituminous macadam, $30,000.

Hancock Co., Findlay-Delphos Rd., concrete, $20,000.

Ross Co., Logan-Chillicothe Rd., gravel, $30,000.

Guernsey Co., Cambridge-Newcomerstown Rd., concrete, $38,400.

Ohio.—State Highway Comn., Columbus, received no bids Nov. 12, grading, building bridges and culverts and paving 1.778 mi. Sect. "H-1" Barnesville-Woodfield Rd., Belmont Co., bituminous macadam. Noted Nov. 4.

O., Bedford—Village receives bids in spring grading and paving East Haven Sub-division, Willis and Tarbell Aves., brick on concrete base. B. T. Wright, Bedford, engr.

O., Warren—City Council plans to pave 2,400 ft. East Market St., 40 ft. wide. About $45,000.

Wisconsin—State Highway Dept., Madison, plans to grade, drain and surface 7.4 mi. Trunk Highway 13, Friendship-Wisconsin Rapids Rd., 16 ft. wide, clay or gravel, Adams Co., cost $66,000; 2 mi. Trunk Highway 13, Ashland-Mellen Rd., commencing about 227 ft. south of E. ¼ corner of Sect. 16, T. 45N., R. 3W, thence northerly, (gravel) $18,000, Trunk Highway 13, Ashland-Mellen Rd., commencing near E. ¼ corner of Sect. 28, T 43 N., R.2 W., thence easterly, gravel, $18,000, Ashland Co.; 7.8 mi. Trunk Highway 11, Spooner-Cameron Rd., gravel, $78,000, 4.5 mi. Trunk Highway 11, New Auburn-Chetek Rd., gravel, $51,000, Barron Co.; 8¼ mi. Trunk Highway 24, Drummond-Ashland Rd., gravel or top soil, Bayfield Co., $66,000; 6.8 mi. Trunk Highway 35, Danbury-Superior Rd., top soil, Burnett Co., $114,000; 7.5 mi. Trunk Highway 43, Cornell-Ladysmith Rd., gravel or other material, $63,000, 2.75 mi. Trunk Highway 64, Bloomer-New Richmond Rd., gravel or other material, $27,000, Chippewa Co.; 4 mi. Trunk Highway 16, gravel, $19,500, 1.5 mi. Trunk Highway 12, Alma-Center-Fairchild Rd., gravel, $28,500, 7 mi. Trunk Highway 18, Neillsville-Marshfield Rd., gravel or disintegrated granite, $82,500, Clark Co.; Trunk Highway 29, Portage-Kilbourn Rd., gravel, $24,000 Trunk Highway 31 Sun Prairie-Columbus Rd., gravel, $30,000, Trunk Highways 10 and 29, Portage-Wyocena Rd., $60,000, Columbia Co.; relocating grading and draining Trunk Highway 60, Wauzeka-Prairie du Chien Rd., $176,002, grading, draining and culverting Trunk Highway 60, Federal Aid Project 106, $90,000, Crawford Co.; grading and draining 8 mi. Trunk Highway 12, Middleton-Sauk City Rd., $50,000, 4 mi. Trunk Highway 12, Madison-Cambridge Rd., $45,000, 11.3 mi. Trunk Highway 19, Verona-Mt. Horeb Rd., $120,000; 3.01 mi. Trunk Highway 19, Waterloo-Marshall Rd., $39,000, Trunk Highway 31, Sun Prairie-Columbus Rd., $6,600, 7 mi. Trunk Highway 11, Middleton-Cross Plains Rd., $90,000; Dane Co.; grading, draining and surfacing 6¾ mi. Trunk Highway 118, Horicon-Beaver Dam Rd., 18 ft. wide, concrete, Dodge Co., $282,000; 8 mi. Trunk Highway 78, Green Bay-Sturgeon Bay Rd., Federal Aid Project 151, stone or gravel, Door Co., $85,000; 2¾ mi. Trunk Highway 35, Superior-Danbury Rd., gravel, Douglas Co., $39,000; relocating, grading, draining and surfacing 2.25 mi. Trunk Highway 64, Connorsville-New Richmond Rd., clay or other material, $30,000, 3.75 mi. Trunk Highway 64, Bloomer-Connorsville Rd., clay or other material, $43,500, grading, draining and surfacing 2.3 mi. Trunk Highway 25, Menomonie-Wheeler Rd., clay or gravel, $19,800, 4 mi. Trunk Highway 12, Menomonie-Eau Claire Rd., Federal Aid Project 127, 18 ft. wide, concrete, $162,000, Dunn Co.; 4.5 mi. Trunk Highway 37, Eau Claire-Mondovi Rd., gravel, Eau Claire Co., $57,000; grading and draining 4.5 mi. Trunk Highway 14, Armstrong Creek-Florence Rd., Florence Co., $45,000; grading, draining and surfacing 6¾ mi. Trunk Highway 15, Fond du Lac-Milwaukee Rd., Federal Aid Project 154, 18 ft. wide, concrete, Fond du Lac Co., $258,008; 5 mi. Trunk Highways 14 and 32, Laona-Crandon Rd., Federal Aid Project 155, gravel, $75,000, 4.46 mi. Pelican-Crandon Rd., Federal Aid Project 73, gravel, Forest Co.; 1 mi. Trunk Highway 30, Potosi-Dickeyville Rd., concrete, $58,000, Trunk Highway 39, Boscobel-Fennimore Rd., Federal Aid Project 141, 18 ft. wide, concrete, $60,000, 3 mi. Trunk Highway 28, Dubuque-Platteville Rd., $48,000, grading, draining and bridging 1.72 mi. Trunk Highway 20, Dubuque-Hazel Green Rd., $45,000, 5 mi. Trunk Highway 65, Lancaster-Bloomington Rd., $100,000, Grant Co.; relocating, grading, draining and surfacing 8.33. mi. Trunk Highway 28, Mineral Point-Dodgeville Rd., $125,000, grading, draining and culverting Trunk Highway 19, Madison-Dodgeville Rd., $135,000, Iowa Co.; grading, draining and surfacing 5.5 mi. Trunk Highway 10, Ashland-Hurley Rd., gravel, $60,000, Hurley-Mercer Rd., Federal Aid Project 158, Iron Co.; relocating, grading, draining and surfacing Trunk Highway 84, Hexton Northfield Rd., 16 ft. wide, shale, $30,000, 12 mi. Trunk Highway 12, Black River Falls-Millston Rd., 16 ft. wide, shale, $117,615, 1.1 mi. Trunk Highway 52, Black River Falls-Melrose Rd., 16 ft. wide, concrete, $41,600, shaling sandy portions of Federal Aid Project 84 and grading, draining and shaling portion of Trunk Highway 12, Black River Falls-Alma Center Rd., 16 ft. wide, $20,000, Jackson Co.; grading, draining and surfacing 2.04 mi. Trunk Highway 41, Jefferson-Cambridge Rd., 18 ft. wide, concrete, $60,000, 1¼ mi. Trunk Highway 19, Watertown Plank Rd., Federal Aid Project 72, $57,000; relocating, grading and draining 4.15 mi. Trunk Highway 41, Helenville-Sullivan Rd., $60,000, Jefferson Co.; grading, relocating, draining and surfacing 1.51 mi. Trunk Highway 94, Elroy-Wonewoc Rd., gravel or stone, Juneau Co., $48,000; grading, draining and surfacing 2.43 mi. Trunk Highway 96, Stangelville-Kewaunee Rd., stone or gravel, $24,000, 2 mi. Trunk Highway 54, Green Bay-Kewaunee Rd., stone or gravel, $20,000, Kewaunee Co.; La Cross-Sparta Rd., Federal Aid Project 164, 18 ft. wide, concrete, La Crosse Co.; grading and draining 5.06 mi. Trunk Highway 81, Blanchardville Argyle Rd., $60,000, 6.45 mi. Trunk Highway 28, Mineral Point-Belmont Rd., $45,000, Lafayette Co.; grading, draining and surfacing 4.5 mi. Trunk Highway 39, Antigo-Rhinelander Rd., gravel, Langlade Co., $75,000; Trunk Highway 10, Gilbert-Irma Rd., Lincoln Co., $75,000; 4.84 mi. Trunk Highway 17, Manitowoc-Sheboygan Rd., 18 ft. wide, concrete, Manitowoc Co., $146,182; 14.1 mi. Trunk Highway 13, Marshfield-Abbotsford Rd., 18 ft. wide, gravel, $190,000, 5.1 mi. Trunk Highway 10, Wausau-Merrill Rd., 18 ft. wide, gravel, Marathon Co., $75,000; 12 mi Trunk Highway 38, Crivitz-Wausankee Rd., stone or gravel, Marinette Co., $174,000; 1.63 mi. Trunk Highway 10, Portage-Stevens Point Rd., 16 ft. wide, gravel, Marquette Co., $30,000; Trunk Highway 74, Whitefish Bay-Brown Deer Rd., concrete, Milwaukee Co. $255,000; grading, relocating, draining and surfacing 4 mi. Trunk Highway 27, Sparta-Black River Falls Rd., shale, $38,000, 4.6 mi. Trunk Highway 21, Mauston-Sparta Rd., Federal Aid Project 48, 16 ft. wide, shale, $40,000, grading, draining and surfacing .88 mi. Trunk Highway 21, Sparta-La Crosse Rd., 18 ft. wide, concrete, $36,000, La Crosse-Sparta Rd., Federal Aid Project 107, Monroe Co.; 7.06 mi. Trunk Highway 38, Green Bay-Stiles Rd., clay or gravel, $100,000, Green Bay-Oconto Rd., Federal Aid Project 114, Oconto Co.; 6 mi. Trunk Highway 14, Rhinelander-Cassian Rd., Oneida Co., $90,000; 2.84 mi. Trunk Highway 54, Seymour-Black Creek Rd., stone or gravel, $50,000, 2.35 mi. Trunk H[illegible] 18, Appleton-Dale-Medina Rd., 20 f[illegible] concrete, $80,000, Outagamie Co., [illegible] Trunk Highway 85, Durand-Eau Cl[illegible] shale or gravel, Pepin Co., $16,500; Trunk Highway 34, Durand-Ellswor[illegible] gravel, $76,500, 3.76 mi. Trunk Highw[illegible] Ellsworth River Falls, Federal Aid [illegible] 122, 15 ft. wide, gravel, $111,000, Pier[illegible] 3.54 mi. Trunk Highway 14, Turtle[illegible] Milltown Rd., gravel, $69,000, 3 mi. [illegible] Highway 35, Osceola-St. Croix Fall[illegible] gravel, $30,000, Polk Co.; 3.5 mi. [illegible] Highway 10, Stevens Point-Plover R[illegible] ft. wide, concrete, $127,977, 2 mi. [illegible] Highway 18, Stevens Point-Marshfield[illegible] 18 ft. wide, concrete, $120,000, Portag[illegible] grading and draining Trunk Highway [illegible] Fifield-Radisson Rd., $25,000, gr[illegible] draining and graveling 4 mi. Trunk [illegible] way 13, Prentice-Ashland Rd., $[illegible] Trunk Highways 13 and 14, Ogema-Pr[illegible] Catawba Rd., $75,000, Price Co.; relocat[illegible] grading, draining and surfacing T[illegible] Highway 15, 18 ft. wide, concrete, $5[illegible] grading, draining and surfacing 5 mi. Trunk Highway 57, Kilbourn Rd., 18 ft. wide, concrete, $179,705, Racine Co.; grading and draining 8 mi. Trunk Highway 11, Richland Center-Viroqua Rd., Richland Co., $75,000; grading, draining and surfacing 8.[illegible] mi. Trunk Highway 14, Ladysmith-Bruce Rd., Federal Aid Project 174, gravel, $99,000; graveling 5.9 mi. Trunk Highway 14, Ladysmith-Prentice Rd., Federal Aid Project 8[illegible] $30,000, Rusk Co.; grading, draining and surfacing 3.26 mi. Trunk Highway 12, 18 ft. wide, concrete, $135,000, relocating, grading, draining and partly surfacing 14 mi. Trunk Highway 64, clay or other material, $18,000, 1.4 mi. Trunk Highway 65, River Falls-Hudson Rd., gravel, $16,500; gravel surfacing Trunk Highway 12, Hudson-Eau Claire Rd., Federal Aid Project 15, $36,000, Hudson Menomonie Rd., Federal Aid Project 126, St. Croix Co.; relocating, grading and draining 7.7 mi. Trunk Highway 28, Reedsburg-Spring Green Rd., $60,000, grading, draining and graveling 3.01 mi. Trunk Highway 33, La Valle-Reedsburg Rd., $72,000, Sauk Co.; grading and draining 4 mi. Trunk Highway 48, Bruce-Radison Rd., $33,000, grading, draining and surfacing 7 mi. Trunk Highway 24, Hayward-Radisson Rd., top soil, $51,000; relocating, grading, draining and surfacing 5.5 mi. Trunk Highway 24, Hayward-Seeley Rd., gravel, $60,000, Sawyer Co.; grading, draining and surfacing 9 mi. Trunk Highway 16, Shawano-Wittenberg Rd., stone or gravel, Shawano Co., $75,000; 5.15 mi. Trunk Highway 17, Lake Shore Rd., 18 ft. wide, concrete, Sheboygan Co., $222,147; gravel surfacing Trunk Highway 13, Medford-Prentice Rd., Federal Aid Project 31, $21,000, grading, draining and surfacing 4.5 mi. Trunk Highway 64, Medford-Cornell Rd., Federal Aid Project 125, commencing at east line of S. 29, T. 31, R. 1 E. thence westerly, gravel or other material, $54,000; grading and draining 5.6 mi. Trunk Highway 64, Medford-Cornell Rd., commencing at N. E. corner of S. 2, T. 30, N., R. 3 W., thence easterly, $57,000, Taylor Co.; grading, relocating, draining and surfacing Trunk Highway 33, Hillsboro-Ontario Rd., top soil, Vernon Co., $30,000; grading, draining and surfacing 6.34 mi. Trunk Highway 51, Spooner-Cumberland Rd., gravel, $60,000, 8 mi. Trunk Highway 11, Spooner-Cameron Rd., top soil, $48,000, Washburn Co.; 2 mi. Trunk Highway 15, Milwaukee-Schleisingerville Rd., 18 ft. wide, concrete, $86,819, West Bend-Milwaukee Rd., Federal Aid Project 159, Washington Co.; Trunk Highway 22, Clintonville-New London Rd., Federal Aid Project 138, 18 ft. wide, concrete, Waupaca Co., $77,570; 6.5 mi. Trunk Highway 73, Wautoma-Plainfield Rd., 16 ft. wide, gravel, $66,000, Berlin-Weyauwega Rd., Federal Aid Project 48, Waushara Co.; 8 mi. Trunk Highway 13, Marshfield-Abbottsford Rd., 18 ft. wide, gravel, Wood Co., $12,000.

Wis., Grand Rapids—Wood Co. plans to build 3 mi. Auburndale-Marshfield Rd. from corner Sect. 21, T. 25 N., R. 3 E., thence northerly to Marshfield, cost $95,000; Wisconsin Rapids-Sherry-Milladore Rd. from Sta. 158 plus 40 to Sta. 197 plus 0. Appr. 42 F. 1920, $16,000. E. Morris, highway comr.

Wis., Green Bay—Brown Co. plans to build 4½ mi. Green Bay-Suamico Rd. from Duck Creek to Suamico, cost $155,000; 2½ mi. Belgian Rd. from Snyderville to Wrightstown Village, $52,000; 16 mi. Green Bay-Manitowoc Rd. from here to Manitowoc Co. line, $335,000; 17 mi. Green Bay-Shawano Rd. from here to Shawano Co. line, $350,000; 3 mi. Ashwaubenon River Rd. from here to De Pere, $100,000; 5 mi. Askeaton Brillion Rd. from Greenleaf to Calumet Co. line, $70,000, all concrete. C. J. Cormier, highway comr.

Streets and Roads (Continued)

Wis., Jefferson—Jefferson Co. plans to build 3½ mi. Ft. Atkinson-Janesville Rd. from Ft. Atkinson construction limits to railroad crossing; ⅝ mi. Watertown-Hubbleton Rd. from northwest tracks westerly, 2,000 ft.; 3⅛ mi. Jefferson-Lake Mills Rd. from here thence 19,800 ft. westerly. R. D. Boyce, Ft. Atkinson, highway comr.

Wis., La Crosse—La Crosse Co. having plans prepared widening macadam roads and improving all trunk highways, to include 12 mi. road from here to West Salem; Onalaska Rd. from point north of Holman and road from Bangor to Monroe Co. line at Big Creek. Total cost, $500,000. B. A. Jolivette, clk.

Ia., Ft. Dodge—Webster Co. receives bids in spring improving various roads, including 15.5 mi. gravel surfacing on Federal Aid Project, 12 mi. grading and 8 mi. graveling on secondary road systems, also 36 mi. grading, involving 8,000 cu.yd. per mi. About $125,000. C. B. Stephenson, co. engr.

Minn., Red Wing—See "Sewers."

Neb., Chadron—Town rejected bids received Nov. 8, paving Dists. 2 and 3. About $700,000. R. D. Salisbury Co., 16th and Downing Sts., Denver, Col., engrs. Noted Nov. 4.

Neb., Pawnee City—City rejected bids received Oct. 19, paving 25 blocks, 30-40 ft. wide, brick, concrete and asphalt. About $200,000. Work will be readvertised in January. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs. Noted Oct. 14.

Missouri—Citizens of State voted in favor of amendment to State Constitution providing for bond issue of $60,000,000 to build roads. Noted Aug. 5.

Tex., Austin—City election Dec. 12 to to vote on $50,000 bonds for permanent street improvements. C. E. Leonard, city engr.

Tex., Brady—McCullough Co. having plans prepared gravel surfacing and draining 1.5 mi. Highway 9, Mason Brady Rd., involving 98.4 cu.yd. Class "A" concrete, 3,200 cu.yd. gravel and 1,535 lb. reinforcing steel. About $10,500. W. P. Doty, co. engr.

Tex., Breckenridge—City plans election to vote on $300,000 bonds to pave various streets.

Tex., Brenham—City plans election soon to vote on $40,000 bonds to pave various streets.

Tex., Canyon—City having specifications prepared paving public square. Bonds for $30,000 voted for project.

Tex., Center—Shelby Co. having plans prepared grading and draining 14 mi. Highway 22 from San Augustine east, involving 72 acres clearing and grubbing, 93.6 cu.yd. Class "C" concrete, 28,709 cu.yd. borrow and 43,052 cu.yd. earth excav. About $58,656. T. H. Dillon, co. engr.

Tex., Center—Shelby Co. having plans prepared grading, surfacing, draining and building timber trestle on 21.5 mi. Highway 22 from Sabine River west, involving 108 acres clearing and grubbing, 140 cu.yd. concrete, 102,879 ft. lumber in bridges, 41,850 cu.yd. gravel to be furnished by county, 64,578 cu.yd. earth and 43,064 cu.yd. earth borrow, etc. About $330,800. T. H. Dillon, co. engr. Noted Aug. 19.

Tex., Childress—Childress Co. had plans prepared grading, surfacing and building rein.-con. bridges and culverts on 10.11 mi. Highway 4, Federal Aid Project 163, involving 525.5 cu.yd. 1:2:4 concrete, 34,688 lb. reinforcing steel, 5,300 cu.yd. clay surfacing, 10,756 cu.yd. borrow, 40,604 cu.yd. earth and 383 cu.yd. solid rock excav., etc. About $52,888. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs. Noted May 13.

Tex., Dallas—Dallas Co. rejected bid received Oct. 28, paving and draining 18.8 mi. Garland Rd., 18 and 20 ft. wide, concrete. About $800,000. New specifications ordered. Nagle, Witt & Rollins Co., Gaston Bldg., co. engrs. Noted Nov. 11.

Colorado—State voted to issue $5,000,000 bonds to build highways. J. E. Maloney, Denver, state highway engr.

Idaho—State voted $2,000,000 bonds to build roads. D. P. Olson, Boise, state highway engr.

STREET IMPROVEMENT—AKRON, OHIO

Bids were received (lowest 3) by Dept. of Pub. Serv., Oct. 25th, for improving South Maple St., from West Market to West Exchange Sts., from (A) T. E. McShaffrey Constr. Co., 173 South Forge St.; (B) McAloman Bros.; (C) Victor Olson Contg. Co. The unit bids were as follows:

	A	B	C
845 cu.yd. grading	$2.00	$2.00	$2.00
300 lin.ft. under drainage 4-in. pipe	.40	.30	.30
1 standard manhole castings	50.00	50.00	40.00
100 cu.yd. concrete, class 2	18.00	15.00	17.00
2,370 sq.yd. concrete, base 6-in. deep	2.50	2.40	2.35
155 sq.yd. concrete base, 7-in. deep	2.75	2.80	2.60
2,830 sq.yd. concrete base, 8-in. deep	3.00	3.00	2.90
200 lin.ft. sandstone curb	1.75	2.00	1.90
560 lin.ft. granite circular curb	4.50	4.50	4.50
300 lin.ft. curb redressed	.50	.40	.30
300 lin.ft. curb reset	.40	.60	.75
20 lin.ft. stone headers	1.00	1.20	1.25
400 sq.ft. cement walks	.30	.34	.32
100 sq.ft. cement driveways	.50	.50	.50
200 sq.ft. cement walks relaid	.30	.15	.25
10,930 sq.yd. asphalt pavement (wearing surf. only)	1.50	1.80	1.80
10,930 sq.yd. asphaltic concr. pavement (surf. only)	1.65	1.70	1.70
10,930 sq.yd. bitulithic pavement (surf. only)	2.50	1.80	
2,525 sq.yd. brick gutter (cem. filler)	3.00	3.00	3.25
2,525 sq.yd. brick gutter (asphalt filler)	3.20	3.00	3.40
2,525 sq.yd. brick gutter (mastic pitch. ver. fiber)	3.40	3.00	3.25
1,130 tons asphaltic binder	12.00	12.00	13.50
5 concrete monuments	25.00	20.00	20.00
1,000 lb. reinforcing steel	.15	.10	.12
15 sewer laterals	50.00	40.00	45.00
20 shade trees	20.00	20.00	12.00
4 w.i. roof drains relaid	20.00	10.00	10.00
860 lin.ft. 36-in. brick sewer, complete	15.18	17.00	18.00
680 lin.ft. 54-in. brick sewer, complete	29.00	30.00	29.00
5 manholes (std.) on brick sewers, 4 ft. dia. or less	125.00	150.00	150.00
860 lin.ft. 36-in. reinforced concrete pipe sewer, complete	.....	15.00	
680 lin.ft. 54-in. reinforced concrete pipe sewer, complete	.....	28.00	
5 manholes (std.) on rein. concr.	.....	.....	
860 lin.ft. pipe sewer of 4 ft. dia. or less	.....	150.00	
680 lin.ft. 36-in. seg. block sewer, complete	15.00	15.00	16.00
54-in. seg. block sewer, complete	27.00	28.00	27.00
5 manholes (std.) on seg. block	.....	.....	
200 cu.yd. sewer of 4 ft. dia. or less	150.00	150.00	150.00
Concrete masonry, class 3	.....	.....	
50 lin.ft. 8-in. vitrified pipe sewer, complete	4.50	5.00	3.50
250 lin.ft. 12-in. vitrified pipe sewer, complete	4.50	4.25	4.00
415 lin.ft. 15-in. vitrified pipe sewer, complete	5.00	6.00	4.50
1,090 lin.ft. 18-in. vitrified pipe sewer, complete	6.00	6.00	5.50
30 lin.ft. 20-in. vitrified pipe sewer, complete	210.00	8.00	5.50
635 lin.ft. 24-in. vitrified pipe sewer, complete	5,715.00	8.50	8.00
12 manholes (std.) on pipe sewer	1,800.00	150.00	150.00
15 street inlets, complete, plan 1	750.00	60.00	50.00
11 street inlets complete, plan 3	550.00	75.00	55.00
2 "T" or "Y" branches on 8-in. pipe sewer	4.00	2.00	3.50
2 "T" or "Y" branches on 12-in. pipe sewer	10.00	3.00	3.00
2 "T" or "Y" branches on 15-in. pipe sewer	12.00	4.00	5.00
2 "T" or "Y" branches on 18-in. pipe sewer	14.00	5.00	8.00
2 "T" or "Y" branches on 24-in. pipe sewer	18.00	10.00	12.00
5 6-in. slants in trunk sewer	7.50	1.00	1.00
2 8-in. stubs in trunk sewer	6.00	2.00	1.00
1 12-in. stubs in manhole	5.00	3.00	1.50
1 20-in. stubs in manhole	5.00	10.00	2.00
1 24-in. stubs in manhole	10.00	10.00	4.00
6-In. Vit. Pipe House Laterals:			
100 lin.ft. reconnected, complete	1,500.00	10.00	2.00
700 lin.ft. 12-in. vit. pipe inlet connections	1,750.00	2.20	2.75
1,500 lin.ft. 8-in. underdrain, complete	750.00	.50	1.00
20 cu.yd. gravel refill	50.00	4.00	3.00
60M.ft.b.m. sheeting left in place	900.00	40.00	20.00
20 cu.yd. special excavation	60.00	4.00	3.00
1 Junction chamber	1,500.00	800.00	200.00
1 sanitary intercepter connection	200.00	200.00	200.00
100 cu.yd. concrete masonry, class 3	1,500.00	12.00	14.00
5 cu.yd. brick masonry	125.00	30.00	25.00
50 sq.yd. brick repaving	200.00	2.50	4.00
Extended total for sheet asphalt paving	*$61,126	$63,576	$65,678
Extended total for asphaltic concrete paving	51,870	51,587	52,327
Extended total for bitulithic paving	61,160	52,680	.....
Extended total for sewers, drains and inlets—brick	$60,816	$63,555	$61,786
Extended total for sewers, drains and inlets—reinf. concr.	.....	60,475	.....
Extended total for sewers, drains and inlets—seg. bl.	*59,426	60,475	58,706

* Awarded contract.

Ont., Ottawa—Dept. Rys. & Canals plans to widen 1½ mi. Canal Rd. from St. Louis dam to Hogs Back. About $20,000. W. A. Bowden, c/o Dept. Rys. & Canals, engr.

BIDS DESIRED

Rhode Island—Until Dec. 1, by State Bd. Pub. Rds., State House, Providence, reconstructing section state highway in Town of Scituate, beginning ½ mi. east from village of North Scituate and extending west upon Danielson Pike, for distance of 5 mi.; advertised in this issue.

N. Y., New York—Until Nov. 24, by Park Comrs. furnishing labor and material for repaving with asphalt mastic walks in Riverside Park also surfacing Jasper Oval Playground. Noted Sept. 30.

New Jersey—Until Dec. 1, by State Highway Comn., Trenton, grading Route 3, Ancora-Atco Sect., Camden Co. A. L. Grover, ch. clk.; advertised in this issue. Noted July 8.

N. J., Belvidere—Until Dec. 8, by Bd. Freeholders Warren Co., grading Hope-Blairstown Rd., Hope and Blairstown Twps. M. S. Faust, clk.; advertised in this issue.

South Carolina—Until Nov. 20, by State Highway Comn., Columbia, graveling 12 mi. road from Orangeburg to Bamberg Co. line, Orangeburg Co. About $90,000.

Florida—Until Dec. 10, by State Highway Dept., Tallahassee improving and completing 9.9 mi. State Rd. 1, beginning at Lake City and extending east to Baker Co. line. C. A. Browne, state highway engr.; advertised in this issue.

Fla., Fort Myers—Until Dec. 2, by J. W. Owens, city clk., paving 1st St. from Fowler St. to Billys Creek, involving 11,873 sq.yd. concrete, asphalt or vitr. brick. About $25,000. J. A. Davidson, city engr.

Tenn., Knoxville—Until Nov. 23, by Bd. City Comrs., paving, curbing, guttering and sewering in Dists. 190, 191, 193, 194, 195, 197 and 198. J. L. Greer, city recdr.; advertised in this issue.

Indiana—By Bd. Co. Comrs. building roads in following counties:

Nov. 27, Vigo Co., Terre Haute, H. 24. Hausman et al Rd.; gravel. C. M. Lee, aud.

Streets and Roads (Continued)

Gibson Co., Princeton, 15,538 ft. W. M. Crawford, Noley Williams Rd., Montgomery Twp., stone and gravel. J. H. Armstrong, aud.

Michigan—Until Nov. 22, by State Highway Dept., at dist. office, Kalamazoo, placing 16,000 cu.yd. beach gravel in 4 piles, adjacent to Federal Aid Project 32. Noted Oct. 28.

Wisconsin—Until Nov. 23 by State Highway Comn., div. office 8, 1st Natl. Bank Bldg., Superior, grading and paving 0.74 mi. Canton-Chetek Rd., Federal Aid Project 119, Barron Co., involving 5,500 cu.yd. earth excav., 36,690 lb. structural steel, 110 cu.yd. Class "B" and 22.5 cu.yd. Class "E" concrete, etc., also building one 60 ft. low riveted truss bridge, known as Landon Bridge.

Minn., Grand Rapids—Until Dec. 7, by Itasca Co., subgrading 7 mi. Job 2004, State Rd. 9, including Bridge 3445, ditches and culverts. Work involves 59 acres clearing and grubbing, 166,000 cu.yd. excav., 2,000 cu.yd. hand ditch, 793,000 cu.yd. overhaul, 19,600 lb. reinforcing steel, etc. About $160,000. H. A. LeSueur, Grand Rapids, engr.

Tex., Daingerfield—Until Nov. 23, by G. E. Shive, judge, Morris Co., grading, surfacing, draining and building trestles on 10.68 mi. Highway 1-A from Cass Co. line to Titus Co. line, involving 6 acres clearing and grubbing, 538 cu.yd. concrete, 16,640 cu.yd. gravel, 94,900 ft. lumber in trestle bridge, 36,092 cu.yd. borrow and 40,416 cu. yd. earth excav., etc., cost, $112,000; 2.7 mi. Highway 35 from Boggy Creek to Titus Co. line, 100 cu.yd. rein.-con., 45,000 ft. lumber in trestle bridge, 4,151 cu.yd. gravel surfacing, 7,153 cu.yd. earth borrow and 17,706 cu.yd. earth excav., etc., $42,000; both including 10 per cent for engineering and contingencies. McClendon & Purnell, co. engrs. Noted Sept. 30 and Nov. 4.

Tex., Linden—Until Nov. 22, by H. D. Nelson, judge Cass Co., grading, surfacing and draining 10.99 mi. Highway 1-C, Atlanta Rd., involving 2,086 lin.ft. grader work, 347.1 cu.yd. Class "A" and 57.5 cu.yd. Class "C" concrete, 17,197 cu.yd. gravel surfacing, 27,022 lb. reinforcing steel, 21,644 cu.yd. borrow and 42,169 cu.yd. earth excav., etc. About $126,742; including 10% for engineering and contingencies. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Boston—City let contract resurfacing various streets, involving 2,200 sq.yd. Warrenite-bitulithic pavement, to J. C. Coleman, 1620 Tremont St.

★N. Y., Brooklyn—E. Riegelmann, boro pres., let contract relocating car tracks and rails on Bath Ave. from Bay 19th to Bay 121st Sts., to C. L. Riker, 19 Cedar St., New York City, $4,226; regulating and repaving Linder St. to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $21,417; 72nd St. from 3rd to 6th Aves., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $108,265. Noted Nov. 4.

N. Y., Brooklyn—E. Riegelmann, boro pres., received bids Nov. 10, regulating and repaving (a) East 16th St. from Ditmas to Newkirk Aves., (b) Nostrand Ave. from Eastern Parkway to Empire Blvd., (c) Saratoga Ave. from Chauncey St. to Atlantic Ave., from Uvalde Asphalt Paving Co., 1 Bway., New York City, (a) 7,473; Sicilian Asphalt Paving Co., 41 Park Row, New York City, (a) $7,598; M. J. O'Hara, 3rd St., (b) $65,293, (c) $45,189; Nicaro Co., Inc., (b) $67,613, (c) $47,821; Grecco Bros., 172 Russell St., (c) $44,160. Noted Nov. 4.

★North Carolina—State Highway Comn., Raleigh, let contract improving 4.59 mi. road between point 1 mi. north of Mathews and Mecklenburg-Union Co. line, Federal Aid Project 55B, 17 ft. wide Mecklenburg Co., to Simmons Constr. Co., Charlotte. About $170,000. Noted Oct. 21.

★N. C., Washington—Comrs. Beaufort Co. let contract for 50,000 sq.yd. Warrenite-bitulithic pavement, to R. G. Lassiter, 327-33 Monticello St., Arcade Bldg., Norfolk, Va.

Ohio—State Highway Dept., Columbus, received bids Nov. 12, grading, building bridges and culverts and paving roads in following counties:

Belmont Co., Sect. "I" Barnesville-Woodsfield Rd., 2.061 mi., bituminous macadam, from C. E. Wilson, Barnesville, $74,015.

Hamilton Co., Sect. "X" Glendale-Milford Rd., 2.561 mi., concrete, Gradison Constr. Co., 1st Natl. Bank Bldg., Cincinnati, $153,806; W. Huber, Eaton, $155,361.

Seneca Co., Sect. "D-1" Columbus-Sandusky Rd., bituminous macadam, C. M. Gray, Waterville, $77,919; R. M. Myers, Attica, $79,000; W. H. and H. A. Souder, Fostoria, $79,159.

Seneca Co., Sect. "R" Lima-Sandusky Rd., 2.167 mi., bituminous macadam, J. H. Murchy & Son, Burgoon, O., $76,394; D. W. Botkin & Son, Columbus, $76,590; J. H. Blausey, Woodville, $76,593.

Sect. "F-1" Bucyrus-Tiffin Rd., 0.884 mi., bituminous macadam, J. W. Carey, Ada, $31,004; W. L. Connell, Dayton; J. H. Blausey, Woodville, and C. M. Gray, Waterville, all the same bid of $31,751.

Sect. "G" Tiffin-New Haven Rd., 2.007 mi., bituminous macadam, J. A. Westrick & Son, Napoleon, $60,314; D. W. Botkin & Son, Columbus, $58,136; R. M. Myers, Attica, $59,997.

Montgomery Co., Sect. "P" Dayton-Troy Rd., 1.099 mi., rein.-con., D. A. Ongst & Son, Dayton, $39,659; Clifton Hoolihan, Dayton, $42,194; brick (contractor to furnish brick), R. H. Shafer Co., Columbus, Ohio, $58,842; W. L. Connell, Dayton, $59,564; brick (state to furnish brick) J. M. Hennessey & Bros., Piqua, $42,700; W. L. Connell, Dayton, $42,850.

Sect. "Q" and "Vandalia" Dayton-Troy Rd., 1.707 mi., rein.-con., Cliffton Hoolihan, Dayton, $90,881; Wroe, 605 U. B. Bldg., Dayton, $92,700; Williams & Little, Cleveland Heights, O., $93,520.

Licking Co., Sect. "F" Newark-Mt. Vernon Rd., 5.03 mi. concrete, from McHugh Bros., Springfield, $242,485; Newark Paving & Constr. Co., Newark, concrete $242,117, brick (contractor furnishing brick) $278,480, (state furnishing brick) $207,076; Reichelderfer Constr. Co., Circleville, bituminous macadam, $215,925, brick (contractor furnishing brick), $279,584, (state furnishing brick) $206,723.

Fulton Co., Sect. "L-1" Archbold-Fayette Rd., 1.018 mi., grading, constructing bridges and culverts, C. M. Gray, Waterville, O., $26,314.

Geauga Co., Sect. "V-2," "W" Chagrin Falls-Greenville Rd., and Sect. "F" Warren-Burton Rd., 9.4 mi., grading, constructing bridges and culverts, Henderson Bros., Chagrin Falls, $74,806; W. M. Kuesecker, Youngstown, $80,931; A. H. Redy Co., Warren, $81,432.

Meigs Co., Sect. "O" Pomeroy-Athens Rd., 3.303 mi., grading, constructing bridges and culverts, Post Const. Co., Cleveland; J. Reibel, Pomeroy, both same bid of $91,763.

Sect. "O" Cambridge-Caldwell Rd., 4.748 mi., grading and constructing bridges and culverts, W. M. Gray, Columbus, $88,309; S. W. Wrightsel, Logan, $89,685; MacElfresh-Danford Co., Caldwell, $87,117.

Putnam Co., Sect. "A" Findlay-Delphos Rd., constructing concrete block floor and waterbound macadam approaches to bridge, Standard Eng. Co., Toledo, $2,546.

Noble Co., Sect. "N" Cambridge-Caldwell Rd., 3.594 mi., grading and constructing drainage structures, W. M. Gray, Columbus, $80,032; MacElfresh-Danford Co., Caldwell, $82,123; Jones Constr. Co., Salem, $82,536.

Lorain Co., Sect. "N" Twinsburg-Elyria Rd., constructing concrete superstructure to Hawke bridge, D. A. Richards, Lorain, $2,300; Schroeder & Laughlin, Lorain, $2,248. Noted Nov. 4.

★O., Garfield Heights (Cleveland P. O.)—Village let contract paving Christina Ave., asphalt, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $20,296. Noted Nov. 11.

★Ind., Valparaiso—Comrs. Porter Co. let contract graveling 2.77 mi. R. M. Phillips Rd., Porter Twp., to Gary Constr. Co., Kouts, $35,127. Noted Oct. 28 under "Indiana."

★Michigan—State Highway Dept., Lansing, let contract grading and draining 7.592 mi. State Trunk Line Rd. 21-13, Sects. C and D, St. Clair Co., involving 27,379 cu. yd. earth excav., 528 lin. ft. tile culverts, 345 cu.yd. concrete in culverts, etc., to M. E. Hull, Dryden, $38,155; 6.065 mi. Sects. E and F, same project, 15,296 cu.yd. earth excav., 858 lin.ft. tile culverts, 445 cu.yd. concrete in culverts, etc., to H. Campbell & Son, Port Huron, $34,953; 6.145 mi. State Trunk Line Rd. 85-11, 16 ft. wide, Montcalm Co., 31,138 cu.yd. earth excav., at $0.70 per cu.yd., 1,536 yd. sta. overhaul, $0.03, 57,685 sq.yd. gravel surface, $0.74, 3,847 lb. steel reinforcement, $0.10, 374 lin.ft. 12 in., 263 lin.ft. 15 in. and 166 lin.ft. 18 in. encased tile culverts, $2, $2.50 and $3 respectively, 116.4 cu.yd. 1:2:4 and 95.1 cu.yd. 1:3:6 concrete, $30 and $27 respectively, etc. to Cook & Clark, 301 Donald Pl., Grand Rapids, $74,971; 4.997 mi. Federal Aid Project 33, Sect. D, 16 ft. wide, Alcona Co., 17,864 cu.yd. earth excav., $0.65, 46,901 sq.yd. gravel surface, $1.15, 4,533 lb. steel reinforcement, $0.10, 12 lin.ft. 12 in. and 269 lin.ft. 15 in. tile culverts, $2.25 and $2.50 respectively, 139.3 cu.yd. 1:2:4 and 151.7 cu.yd. concrete, $24 each, etc., to W. Whittemore, $75,558.

★Wis., Superior—Douglas Co. let contract graveling Black River Rd., Bong, Poplar, $11,597; surfacing Rd., to C. O. Lindquist and P. Poplar, $11,280; graveling Lakeside to J. S. Groves & Son, Duluth, Minn., $

★Minn., Minneapolis—City will $1,500,000 for various kinds of Work will be done by day labor supervision of E. R. Dutton, asst. city

★Kan., Wichita—City let contract Ohio Ave. from 8th to 9th Sts., Wabash Ave. from Douglas Ave. to 2d St., Vine St. from Douglas Ave. to 1st St., Vine St. from 1st to 2nd Sts., Morris St. from Pattie to Ida Aves., Waco Ave. from Douglas Ave. to Alley S, Seneca St. from Central Ave. to River Blvd., River Blvd. from Central to Buffuin Aves., Central Ave. from Madison to Gove Aves., and West 1st St. from Seneca to Vine Sts., involving 11,000 ft. street asphalt, asphaltic concrete and cement concrete, to Ritchie Bros. and C. B. Ramsey, Wichita. About $150,000.

★Mo., St. Louis—City let contract paving various streets involving 2,400 sq.yd. Warrenite-bitulithic pavement on 6 in. concrete base, to Granite Bituminous Paving Co., Ry. Exch. Bldg.

★South Dakota—State Highway Comm., Lake Andes, let contract building 4.257 mi. Lake Andes-Platte-Chamberlain Rd., Federal Aid Project 68, to Peterson, Shirley & Gunther, Omaha, Neb., $30,318. Noted Oct. 21.

★South Dakota—State Highway Comm. at div. office, in Turner Co., Parker, let contract gravel surfacing 16.7 mi. Parker-Centerville Rd., from Parker to Viborg, involving 1,886 cu.yd. common excav. and 30,419 cu.yd. gravel, etc., to W. P. Shipman Constr. Co., 209 Iowa Bldg., Sioux City, $98,749.

South Dakota—State Highway Comm., at office Comrs. Jerauld Co., Wessington Springs, received bids grading and draining 16.31 mi. Woonsocket-Wessington Springs-Gonn Valley Highway, Federal Aid Project 38, from D. D. Bidwell, Egan, $127,014; Peterson, Shirley & Gunther, Omaha, Neb., $127,063; Stevens Bros., St. Paul, Minn., $129,388. Above bids rejected. Noted Oct. 21.

South Dakota—State Highway Comm., at office of auditor Sanborn Co., Woonsocket, received bids Oct. 25, grading and draining 12.18 mi. Howard-Woonsocket-Wessington Springs Rd., Federal Aid Project 50, from Stevens Bros., Piedmont Bldg., St. Paul, Minn., $77,889; D. D. Bidwell, Egan, $85,011; W. R. Shipman Constr. Co., Iowa Bldg., Sioux City, Ia., $93,186. Above bids rejected. Noted Oct. 21.

★Mont., Lewistown—City let contract paving 10 block East Main St., concrete, to F. Saner Co., Great Falls, $71,890. Noted Oct. 21.

★Missouri—State Highway Dept., Jefferson City, let contracts to M. E. Gilliozz, Monett, building 4.88 mi. Monett-Neosho Rd. (Monett Special Rd. Dist.), Federal Aid Project 121, Sect. A, Barry Co., involving 31,052 cu.yd. earth excav., at $0.55 per cu.yd., 2,318 cu.yd. borrow, $0.55, 45,916 sq.yd. gravel surface course, $0.40, 437.9 cu.yd. Class "B" and 10.2 cu.yd. Class "C" concrete masonry, $22 and $21 respectively, total cost $52,730; to W. J. Knorpp, De Soto, 2.58 mi. De Soto-Potosi Rd. from Jefferson Co. line southwestward, State Aid Project S 20.10, Washington Co., 11,403 cu.yd. earth and 2,262 cu.yd. rock excav., at $0.55 and $2 per cu.yd. respectively, 6,322 cu.yd. borrow, $0.40, 18,712 sq.yd. specification C gravel pavement, $0.30, 32.5 cu.yd. Class "B" and 43 cu. yd. Class "C" concrete masonry, $25 and $22.50 respectively, etc., total cost, $22,337. Noted Nov. 11.

★Ark., Little Rock—Comrs. Pulaski Co. let contract for 53,000 sq.yd. Warrenite-bitulithic pavement on concrete foundation to M. D. L. Cook, 315 Southern Trust Bldg. Noted Oct. 14.

★Tex., Cameron—Milam Co. let contract improving 8.769 mi. Highway 36, Temple Rd., to A. C. Buchanan & Son, Temple, $70,668; including 10% for engineering and contingencies. Noted Nov. 11.

★Tex., Crowell—Bd. Rd. Comrs. Foard Co. will improve 14.56 mi. Highway 4, from here to Foard City, 24 ft. wide, involving 51,000 lin.ft. grading, 208 lin.ft. 24-36 in. c.i. pipe, 32,723 lb. reinforcing steel, 81 cu.

Streets and Roads (Continued)

yd. concrete paving, 314.3 cu.yd. Class "A" and 37.02 cu.yd. Class "C" concrete, etc. Cost $23,781; including 10% for engineering and contingencies. Work will be done by day labor.

★**Tex., Dallas**—Dallas Co. let contract paving Dallas-Scyene Rd., 18 ft. wide, 3 in. gravel on 8 in. native crushed rock base, to Cullom & Harralson, Dallas, $120,884; building drainage structures on 9 mi. above road, to Hoard & Seguine, Dallas, $58,128. Noted June 3.

★**Tex., Dallas**—City let contract paving and guttering 1,500 ft. Ruskin St. from Oak-lawn to Knight Sts., 30 ft. wide, bitulithic on 5 in. gravel concrete base, to Texas Bitulithic Co., Praetorian Bldg. About $25,000.

★**Tex., Ft. Worth**—City will pave Concho St., bitulithic. About $25,000. Work will be done by day labor.

★**Tex., Houston**—Harris Co. let contract improving 4 mi. Highway 2, Washington Rd., to Haden & Austin, 727 Kress Bldg., $11,734 (county to furnish gravel and steel, $20,314), total cost, $35,253; including 10% for engineering and contingencies. Noted Oct. 14.

Tex., San Marcos—J. R. Wilhelm, judge Hays Co., received bids Nov. 8, grading, surfacing and draining 17.05 mi. Austin-Fredericksburg Rd., from Hays Co. $8,322; H. F. Bland, San Augustine, $61,849; Brown & Root, Taylor, $86,870. Work involves 35.2 acres clearing and grubbing, 44,856 cu. yd. borrow, 28,304 cu. yd. earth, 1,774 cu. yd. loose and 498 cu. yd. solid rock excav., 72.5 cu.yd. 1:2:4, 166.5 cu.yd. 1:2:3½ and 90.5 cu.yd. 1:2½:5 concrete, etc. Noted Oct. 28.

★**Utah, Tremonton**—City let contract paving various streets, involving 17,818 sq.yd. Warrenite bitulithic pavement on 6 in. concrete base, to Gibbons & Reed, Kearns Bldg., Salt Lake City.

★**Utah, Lehi**—City let contract curbing, guttering and paving 15,000 ft. Main St., 45 ft. wide, 7 in. plain cement concrete, to E. Smith, Lehi. About $16,100.

Nevada—State Highway Dept., Carson City, received bids building section of State Highway System from point 30.10 mi. southwest of St. Thomas to 16.79 mi. southwest of St. Thomas, Clark Co., from Armstrong & Baker, Reno, $86,372.

★**Ariz., Phoenix**—City let contract improving various streets involving 1,333 sq.yd. Warrenite-bitulithic pavement on 4 in. concrete foundation, to Warren Bros. Co., Phoenix.

★**Wash., Aberdeen**—City let contract grading, clearing, grubbing and installing cement culverts in Boone St., et al. to D. A. Williams, Bradley Rd. Pros Hill, Tacoma. About $63,000.

Ore., Klamath Falls—City let contract paving various streets, involving 10,767 sq. yd. Warrenite bitulithic pavement on 4 in. crushed rock foundation, to Warren Constr. Co., East Water and Salmon Sts., Portland.

★**Cal., Los Angeles**—City let contract improving various street, involving 10,982 sq. yd. Warrenite bitulithic on 5 in. concrete foundation, to Fairchild, Gilmore & Wilton, 610 South Main St.

★**Cal., Susanville**—City let contract improving various streets, involving 24,050 sq.yd. Warrenite bitulithic pavement on 3½ in. asphaltic concrete, to Warren Constr. Co., Journal Bldg., Portland, Ore.

Railways

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**New York**—Boston & Maine R.R., North Sta., Boston, let contract improving freight yards, relaying tracks, etc., at Mechanicsville, to Wilson & English Co., 176 Federal St., Boston. About $20,000.

Excavation and Dredging

PROPOSED WORK

Miss., Batesville—Drainage—Yocona-Tallahatchie D. D. had preliminary plans prepared for levees and floodway channel 55 mi. long, to reclaim 2,500,000 acres overflow lands in Panola, Quitman, Tallahatchie and Le Flore Counties. About $9,000,000. E. Lang, Memphis, Tenn., chn. Elliot & Harman Engr. Co., 144 Fredonia St., Peoria, Ill., engrs.

Wis., Whasau—Ditch—Dancy D.D. having surveys made for 10 to 14 mi. open ditch in Marathon and Portage Counties. L. M. Schindler Appleton, consult. engr.

Ia., Ft. Dodge—Drainage—J. L. Hanrahan, aud. Webster Co., soon receives bids building D.D. 306, involving 24,100 lin.ft. 6-36 in. tile, cost $62,247, D.D. 247, 46,590 lin.ft. 6-48 in. tile, $120,890. J. L. Ransom, co. drainage engr.

Minn., Jackson—Ditches—Jackson Co. rejected bids Nov. 9, building Judicial Ditches 13 and 74, involving 12,000 ft. 6-16 in. tile and 61,800 ft. 6-30 in. tile respectively.

Minn., Moorhead—Clay Co. received no bids Oct. 2, building Co. Ditch 44, involving 24,144 cu.yd. excav., metal culverts of various sizes, 280 lin.ft. flood gates, 18 in. wide, 2 wooden bridges, one with 20 ft. roadway, 18 ft. span, and other 20 ft. roadway, 22 ft. span. About $26,279. Work will be readvertised in spring. R. H. Slocum, Fargo, N. D., engr.

Wyo., Casper—Drainage—City voted $50,000 bonds to build drainage ditches to divert water from overtaxed storm sewers. Noted Sept. 23.

Utah, Delta—Drainage—Millard Co. (Fillmore) voted $150,000 bonds to build D. D. 4. About $150,000. C. H. Day, co. clk. Caldwell & Richards, Vermont Bldg., Salt Lake City, engrs.

Utah, Hyrum—Irrigation—Dirs. of Paradise Irrigation Co. and Hyrum Irrigation Co. voted to consolidate under latter name and build reservoir storing water to irrigate 2,000 acres additional land. About $100,000. T. H. Humpheries, County Court House, Logan, engr.

Cal., Victorville—Irrigation—Victor Valley Irrigation Dist. having surveys made for irrigation system, involving 3 storage reservoirs, 1 hydro-electric power plant, main canal, distributing system and booster pumping plant. About $7,000,000. F. C. Finkle, 448 I. W. Hellman Bldg., Los Angeles, consult. engr.

Cal., Willows—Irrigation—Until Nov. 24, by Glenn-Colusa Irrigation Dist., building trash rack and fish screen at headworks of main canal, near Hamilton; 1 rein.-con. steel and timber headgate in main irrigation canal; dredging from headgates of main canal to Willow Creek Syphon; 2 rein.-con. steel and timber checkgates in main irrigation canal; rebuilding floodgate structures on main canal; rebuilding 3 drainage syphons under main canal. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, engr.

BIDS DESIRED

Minn., Granite Falls—Ditch—Until Nov. 23, by G. H. Wilson, aud. Yellow Medicine Co., building Co. Ditch 9, involving main ditch and 5 branches. Work involves 30 mi. open work, 1,489,435 cu.yd. excav., cost $167,973; 474,205 ft. 8-28 in. drain tile, one hundred and seventy 6-12 in. sewer pipe inlets with c.i. gates, 21 concrete bulkheads, etc., $315,208. J. Norgaard, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Adel**—Drainage—Dallas Co. let contract building DD 76, involving 35,694 ft. 6-28 in. tile, to Hawkeye Constr. Co., Webster City, $13,648, and Hoover Lumber Co., Dallas Center, $22,774. Noted Oct. 21.

★**Ia., Marengo**—Drainage—Iowa Co. let contract building D.D. 8, involving 457,600 cu.yd. excav., to L. and E. G. Sternberg, Marengo, $95,970. Noted Oct. 14.

★**Minn., Jackson**—Ditches—Jackson Co. let contract building Judicial Ditch 45, to J. W. Wilkin, Elmore, $78,544; Ditch 75, to A. Sanderson, Elmore, $70,496. Noted Nov. 4.

★**Kan., Troy**—Drainage—Doniphan Co. contract building DD. No. 2, to M. B. Wilson, Agency, Mo., $15,342.

★**Mont., Great Falls**—Irrigation—Cascade Co. let contract bulding Chestnut Valley Irrigation project, to F. Saner and F. Elliott, Great Falls. About $107,000.

Industrial Works

PROPOSED WORK

Me., Bangor—Bangor Chamber of Commerce Real Estate Associates, plan to build 3 story, brick and steel factory, on Summer St. Crowell & Lancaster, Exchange Bldg., archts.

Vt., Rutland—W. H. Williams, c/o G. F. Lamb, archt., Gryphon Bldg., plans to build 1 story, 70 x 130 ft. rein-con. and tile service station, on West St.

Mass., East Lee—C. Wurtzbach, representing owners, High St., Lee, plans to build electric power plant, along Housatonic River, here. Architect not selected.

Mass., Provincetown—Andrews, Tower & Lavalle, engrs. and archts., 274 Main St., Springfield, preparing plans for fish plant, at Cape Cod. About $500,000. Owners name withheld.

R. I., Providence—Federal Truck Sales Co., 276 West Exchange St., having revised plans prepared by C. H. Lockwood, archt., 171 Westminster St., and receives bids about Jan. 1, building 1 story, 100 x 330 ft., concrete, brick and steel service station, rein.-con. flooring, concrete foundation, on Reservoir Ave. About $125,000. Noted Jan. 29.

N. Y., New York—F. Savignano, archt. and engr., 6005 14th Ave., Brooklyn, preparing plans for 2 story, 75 x 190 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Bedford and Commerce Sts. About $75,000. Owner's name withheld.

N. J., Ridgefield—W. B. Wills, Inc., archts. and engrs., 1181 Myrtle Ave., Brooklyn, soon let contract building 2 story, 100 x 500 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Grand Ave., and Hall St., here, for Continental Folding Paper Box Co., 122 Washington St., Brooklyn.

Pa., Nanticoke—A. Freeman, archt. and engr., 29 West 34th St., New York City, soon lets contract building 3 story, 90 x 155 ft., rein.-con., brick and steel factory, here, rein.-con. flooring, concrete foundation, for Genl. Cigar Co., c/o architect. About $140,000.

Pa., Phila.—Chelton Co., 49th and Market Sts., having plans prepared by Ballinger & Perrot, archts., 329 South Broad St., for 1 story, 32 x 77 ft., concrete and brick warehouse.

Md., Baltimore—Baltimore Mfg. Co., controlled by Fleischmann Co., Perry and Plum Sts., Cincinnati, O., plans to build additions to plants on Buren and Monuments Sts., and Central Ave. and Bank St., here. About $1,000,000.

Ky., Louisville—Ford Motor Co., 2500 South 3rd St., plans to build 100 x 200 ft. addition to plant. About $500,000.

Ky., Louisville—International Harvester Co., 606 South Michigan Ave., Chicago, plans to build warehouse, here. About $500,000.

Ky., Louisville—Ten Broeck Tire Co., 840 South 26th St., plans to build addition to plant, on 26th and Courtney Sts. About $1,000,000.

O., Cleveland—Cleveland Coldrawn Steel Co., c/o W. W. Wallace, Natl. City Bldg., plans to build 1 story, 160 x 400 ft., brick and steel plant, brick foundation, on Dunham Rd. About $250,000. Private plans.

O., Cleveland—Frank Dry Cleaning Co., 1361 East 55th St., plans to build 2 story, 44 x 76 ft., rein.-con., brick and steel factory, rein.-con. flooring, brick and concrete foundation, at 6000 Bonna Ave. About $40,000. F. J. Coghlan, 709 Union Bldg., archt.

O., Dayton—Dicks-Pontius Co., South Wayne Ave., plans to build 5 story, 60 x 180 ft., rein.-con. warehouse, rein.-con flooring, concrete foundation. About $85,000. Architect not selected.

O., Willoughby—Thor Tire & Rubber Co., c/o R. C. Gary, 802 Society for Savings Bldg., Cleveland, plans to build 1 and 3 story, 60 x 250 ft., rein.-con., brick and steel factory and power plant, rein.-con. flooring, brick and concrete foundation. About $300,000. Private plans.

Mich., Detroit—See "Buildings."

Mich., Mt. Clemens—Sauzedde Mfg. Corp., Evans and Rose Sts., having plans prepared by H. T. Millar, archt., Lightner Bldg., Detroit, for additional unit to plant, 2 story, brick and steel, brick foundation. About $75,000.

Ill., East St. Louis—T. J. Moss' Tie Co., Security Bldg., St. Louis, plans to construct plant, to include 3 steel buildings laying 6,700 ft. standard and 11,000 ft. narrow gage track, here. Contract for laying standard gage track let to Fruin-Colnon Constr. Co., Ry. Exch. Bldg., St.

Industrial Works (Continued)

Louis, narrow gage, to Terminal R.R., Union Station, St. Louis. Total cost, $100,000. J. S. Penney, c/o owner, engr. Noted Sept. 30.

Wis., Fond du Lac—Fond du Lac Paper Co., 298 Forest Ave., having plans prepared by F. Stepnoski, archt., 144 Marquette St., for 1 and 2 story, 100 x 300 ft., concrete factory, rein.-con. flooring, concrete foundation. Noted Oct. 28.

Wis., Granville—T. J. Moss Tie Co., Security Bldg., St. Louis, plans to construct plant, to include 3 steel buildings also lay 6,700 ft. standard and 11,000 ft. narrow gage track, here. Contract for standard gage track let to Fruin-Colnon Constr. Co. Ry. Exch. Bldg., St. Louis. Total cost $100,000. J. S. Penney, c/o owner, engr.

Wis., Racine—Grant Furniture Co., 502 6th St., having plans prepared by D. R. Davis, archt., Schulz Bldg., for 3 story, 80 x 120 ft. factory and warehouse, rein.-con., brick and steel. About $150,000.

Minn., Owatonna—City having plans prepared by Toltz, King & Day, engrs., 1410 Pioneer Bldg., St. Paul, for electric light and power plant. About $475,000. C. J. Servatius, clk.

Kan., Atchison—A. J. Harwi Hardware Co., 9th and Commercial Sts., having plans prepared by W. Sayler & Co., archts., 360 Mutual Bldg., Kansas City, Mo., for 5 story, 75 x 150 ft., brick, stone and rein.-con. warehouse, rein.-con. flooring, brick and concrete foundation. About $150,000.

Kan., Belleville—Chicago, Rock Island & Pacific Ry., 139 Van Buren St., Chicago, Ill., having plans prepared by A. T. Hawk, archt., care owner, for 1 story, 32 x 80 ft. ice house, rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $80,000.

S. D., Watertown—South Dakota Packing & Shipping Co. receives bids in spring building 4 story, rein.-con., packing house, to contain 80,000 cu. ft. floor space. About $300,000. F. R. Hewett, pres.

Mo., St. Louis—Smith & Davis Mfg. Co., 1925 Locust St., plans to build furniture factory, brick and concrete, on Goodfellow Ave. About $1,000,000. Architect not selected.

Tex., Waxahachie—City plans election soon to vote on $100,000 bonds to build electric lighting plant.

Wash., Seattle—Auto Freight Depot, Inc., 71 Marion St., plans to build 2 story, 83 x 145 ft. brick freight depot, at 86 Dearborn St. About $60,000. W. H. Milner, Haight Bldg., archt.

N. B., Glen Falls—Clarke Bros. Ltd., Bear River, plan to build plant here, for the manufacture of fibre shipping cases. About $50,000. Private plans.

Que., Montreal—Royal Duke Refining Co., 157 St. James St., plans to build plant at Montreal East. About $200,000.

BIDS DESIRED

Me., Old Town—Bangor Ry. & Electric Co., 90 Harlow St., Bangor, receiving bids building 2 story, 70 x 75 ft., concrete, brick and steel sub and pumping station, rein.-con. flooring, concrete foundation. Crowell & Lancaster, Exch. Bldg., Bangor, archts. Noted Nov. 11.

Mass., Charlestown (Boston P. O.)—Charlestown Gas & Electric Co., 27 Main St., receiving bids building 1 story, 50 x 50 ft. concrete and brick sub station, rein.-con. flooring, concrete foundation, on Salem St., French & Hubbard, 88 Pearl St., Boston, archts.

N. J., Woodstown—South Jersey Farmers Exch. receiving bids building 1 story, 50 x 150 ft. storage station, concrete and brick. Stearns & Woodnut, 21 South 12th St., Phila., archts.

O., Cleveland—Belmore Co., Society for Savings Bldg., receiving bids constructing 2 story, 75 x 150 ft., brick and steel garage and commercial building, brick foundation, at 731 Vincent St. About $50,000. A. Garfield, Natl. City Bldg., archt.

Ill., Chicago—R. F. Schmid & Co., archts., 154 West Randolph St., receiving bids constructing two 1 story, 100 x 125 ft., brick and mill construction industrial buildings, concrete foundations, on 33rd St. and Normal Ave., for J. Burke, c/o architects. Cost, $100,000 each.

Wis., Marshfield—Until Nov. 30, by city, building 1 story, 40 x 40 ft., concrete and brick addition to boiler house, concrete flooring and foundation. Cahill & Douglas, 217 West Water St., Milwaukee, engrs. Noted Aug. 19.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Boston Herald, 171 Tremont St., let contract building 4 story, concrete, brick and steel, addition to plant, rein.-con. flooring, concrete foundation, on Avery St., to Gascoigne & Linenthal Inc., 43 Tremont St. About $125,000.

★**Mass., New Bedford**—Motor Sales Co., 514 Pleasant St., let contract building 2 story, brick and concrete service station, on Purchase St., on M. & A. I. Rudnick, 40 Court St., Boston. About $100,000. Noted July 22.

★**Mass., Somerset**—Somerset Stove Fdry. Co. let contract building 1 story, 70 x 160 ft. brick and steel foundry, rein.-con. flooring, concrete foundation, to Beattie & Coanell, 33 North Quarry St., Fall River. About $50,000.

★**R. I., Providence**—Narragansett Electric Light Co., South St., will construct 5 story, brick and steel storage building, on Melrose St. About $75,000. Work will be done by day labor.

★**N. Y., Brooklyn**—J. Santinima, 62nd St. and 17th Ave., will build 20 x 20 ft. storage, 35 x 40 ft. factory and two 15 x 40 ft. sheds, all 1 story, brick and steel, concrete foundation. About $85,000. Work will be done by day labor.

★**N. Y., Hadley**—Nu Era Paper Co. let contract, altering and building brick and steel addition to machine shop, rein.-con. flooring, concrete foundation, also housing facilities, to H. P. Cummings Constr. Co., 14 Prospect St., Ware, Mass. About $100,000 and $50,000 respectively.

★**N. Y., Long Island City**—J. H. Rhodes Co., 115 Fulton St., let contract building abrasives and polishing material factory, rein.-con. and steel, rein.-con. flooring, concrete foundation, to Guarantee Constr. Co., 140 Cedar St., New York City. About $200,000.

★**N. Y., Long Island City**—Tricomi Constr. Co. (Inc.), 987 Boulevard, will build 2 story, 70 x 100 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on Webster Ave. and Academy St. About $50,000. Work will be done by day labor.

★**N. Y., New York**—Ferncliffe Garage, Inc., c/o DeRose & Cavalieri, archts., 370 East 149th St., will build 1 story, 121 x 123 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on 3rd Ave. near Franklin St. About $75,000. Work will be done by day labor.

N. Y., New York—G. A. Whalen, Comr. Plant & Structures, Municipal Bldg., received bids Nov. 11, constructing housing stations, on (a) Canal, West and Spring Sts., (b) 17th St. and Ave. C, (c) Rivington, Tompkins and Mangin Sts., from J. Fallon, 225 5th Ave., (a) $91,325, (b) $89,953, (c) $138,392; M. F. Kelley, 51 East 42d St., (a) $93,990, (b) $110,490; Lustic & Weil, 103 Park Ave., (c) $125,100; W. W. Constr. Co., 51 East 42d St., (a) $96,422; G. Colon, 81 East 125th St., (c) $138,850; F. Willetts, 2312 Prospect Ave., (b) $88,700. Noted Nov. 4.

★**N. Y., New York**—Marcus & Goldstein, 175 East 96th St., will build 1 story, brick and steel garage, rein.-con. flooring, concrete foundation on 173d St. and West Farms Rd. About $50,000. Work will be done by day labor.

★**N. Y., New York**—J. E. Sheehey, 256 Bway., will build 1 story, 100 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Southern Blvd. and 172d St., Bronx. About $40,000. Work will be done by day labor.

★**N. Y., New York**—Vesey Holding Co., 160 Bway., will build 4 story, 150 x 200 ft., rein.-con. and steel garage, rein.-con. flooring, concrete foundation, at 254 West 54th St. About $100,000. Work will be done by day labor.

★**N. Y., New York**—H. F. Ward & Bros., 518 West 38th St., will build 6 story, 35 x 100 ft., brick and steel warehouse, rein.-con. flooring, concrete foundation. About $60,000. Work will be done by day labor.

★**N. Y., Utica**—Utica Steam & Mohawk Valley Cotton Mills, 801 State St., let contract building rein.-con. and steel extension to boiler plant, rein.-con. flooring, con foundation, to Stone & Webster, 120 New York City. About $350,000.

★**Pa., Johnstown**—Johnstown San Dairy Co. will build 3 story, brick steel factory, brick foundation, on Son St. Cost between $50,000 and $6 Work will be done by day labor. Oct. 7.

★**Pa., Phila.**—Belmont Packing & ber Co., 133 North 2d St., let con building 2 story, 130 x 190 ft. addition factory, brick on Coral and Wheatsh Sts., to G. Kessler Constr. Co., Drexel About $60,000.

★**Pa., Phila.**—L. Rosenau Co., Darien Noble Sts., let contract building 2 st 65 x 130 ft., braid factory, brick, at North 8th St., to C. Grindrod. Fran Bldg. About $45,000.

★**Md., Baltimore**—Horn Ice Cream 14 Aisquith St., let contract building co crete and steel plant, concrete foundati on Low and Aisquith Sts., to Consolidat Eng. Co., 243 Calvert Bldg. About $200,00 Noted Oct. 28.

★**La., New Orleans**—Linde Air Product Co., 30 East 42nd St., New York City, wi build 1 story, 125 x 125 ft. rein.-con. an steel factory, rein.-con. flooring, concret foundation, here. About $300,000. Wor will be done by day labor.

★**O., Cincinnati**—Williamson Heater C West 5th St., let contract building 1 stor 60 x 120 ft., brick and steel factory, bric foundation, to H. K. Ferguson Co., Vicker Bldg. About $40,000.

★**O., Cleveland Heights** (Warrensville P O.)—City Ice Delivery Co., East 20th S and Euclid Ave., let contract building story, 66 x 84 ft., tank and engine room rein.-con., brick and steel, rein.-con. floor ing, brick and concrete foundation, o Cedar Ave. and Lee Rd., to Younger & Farmer, 1670 Crawford Rd., Cleveland About $75,000. Noted Sept. 23.

★**O., Conneaut**—See "Buildings."

★**O., Elyria**—Lakeshore Rubber Co., c/o H. L. Miller, Natl. City Bldg., Cleveland let contract building 2 story, rein.-con. brick and steel factory, rein.-con. flooring brick and concrete foundation, to Donnelly Constr. Co., Lorain. About $150,000 Noted April 22.

★**O., Sandusky**—Mathews Eng. Co., Monroe and King Sts., let contract building 1 story, 100 x 150 ft., brick and steel factory, brick foundation, to H. K. Ferguson Co., Vickers Bldg., Cleveland. About $75,000.

★**Ill., Chicago**—J. Burke, c/o R. G. Schmid & Co., archt., 154 West Randolph St., let contract constructing 1 story, 100 x 125 ft. brick and mill construction industrial building, concrete foundation, on 33rd St. and Normal Ave., to A. Anderson, 19 South La Salle St. About $100,000.

★**Ill., Chicago**—Burns Craft Co., Comm Bldg., let contract building 1 story, 100x124 ft., concrete and brick factory, concrete foundation, at 2225-39 Hurden St. About $55,000. A. Jacobs, 138 North La Salle St. archt.

★**Ill., Chicago**—J. Klicha, West 20th St. and South California Ave., let contract building 85 x 125 ft. furniture factory, 18 x 38 ft. engine house, 32 x 47 ft. boiler house and 13 x 32 ft. oil house, all 1 story, mill construction, concrete foundations, to Stellwagen & Co., 1583 Clybourne Ave., Chicago. About $100,000.

★**Wis., Jefferson**—Jefferson Rubber Co., care C. Girton, will build 1 story, 80x300 ft., brick and mill construction factory, concrete flooring and foundation. Work will be done by day labor. Noted Oct. 21.

★**Wis., Milwaukee**—Hercules Knitting Co., 1097 Greenbush St., let contract build ing 1 story, 30x40 ft. and 30x80 ft. brick and mill construction addition to factory, concrete flooring and foundation, to Kroening Constr. Co., Majestic Bldg. About $45,000.

★**Wis., Milwaukee**—Nackie Paper Co., 268 East Water St., let contract building story, 95x120 ft., rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, on Jefferson St., to Immel Constr. Co., 200 Main St., Fond du Lac. About $125,000.

★**Tex., Corpus Christi**—W. A. Chambers will build oil refinery, to have daily capacity 1,500 bbl. About $100,000. Work will be done by day labor.

BRIDGE—CHICAGO, ILL.

Bids were received by Sanitary Dist. of Chicago, Nov. 4th, for constructing substructure and superstructure of bascule bridge across main channel on California Ave., (1) Strauss bascule bridge with counterweight pits, (2) without counterweight pits, (3) Scherzer rolling lift bridge from (A) Green & Sons Co., 332 South Michigan Ave.; (B) Ketler-Elliott Co., 155 North Branch St. The unit bids were as follows:

(1)	(2)	(3)		A (1)	A (2)	B (1)	B (2)	B (3)
140 lin.ft.	140 lin.ft.	140 lin.ft.	Removal of existing dock	$9 00	$9 45	$9.00	$9 45	$9.45
220 lin.ft.	220 lin.ft.	220 lin.ft.	Construction of new steel and concrete dock	265 00	278 25	265.00	278.25	278 25
170 lin.ft.	170 lin.ft.	170 lin.ft.	Construction of new pile and timber dock	85 00	89 25	85.00	89.25	89 25
15,100 cu.yd.	15,100 cu.yd.	15,000 cu.yd.	Excavation above elevation—30	6 75	7 50	6 75	7 50	7 50
500 cu.yd.	500 cu.yd.	500 cu.yd.	Excavation below elevation—30	7 50	10 00	7 50	10 00	10 00
2,500 lin.ft.	2,500 lin.ft.	2,500 lin.ft.	Piles furnished and delivered	40	45	40	45	45
2,000 lin.ft.	2,000 lin.ft.	2,000 lin.ft.	Piles driven	75	85	75	85	85
10,000 ft.b.m.	10,000 ft.b.m.	10,000 ft.b.m.	Sheeting and bracing	175 00	180 00	175 00	180 00	180 00
1,300 cu.yd.	590 cu.yd.	200 cu.yd.	Class A concrete	37 50	40 00	37 50	40 00	40 00
3,100 cu.yd.	3,310 cu.yd.	4,000 cu.yd.	Class B concrete	30 00	35 00	30 00	35 00	30 00
100 cu.yd.	100 cu.yd.	100 cu.yd.	Class C concrete	30 00	30 00	30 00	30 00	30 00
2,300 cu.ft.	500 cu.ft.	500 cu.ft.	Cement mortar	1 25	1 25	1 25	1 25	1 25
146,000 lb.	120,000 lb.	112,000 lb.	Reinforcing metal in substructure	08	09	08	09	09
145 lin.ft.	145 lin.ft.	145 lin.ft.	Concrete railing	18 00	20 00	18 00	20 00	20 00
4,000 sq.ft.	4,000 sq.ft.	4,000 sq.ft.	Sidewalk wearing surface	35	30	35	30	30
Cofferdams or caissons, etc. (lump sum)				217,750 00	265,000 00	210,250 00	255,000 00	240,000 00
Engineer's office (lump sum)				1,500 00	1,750 00	1,500 00	1,750 00	1,750 00
Extended totals for substructure				$567,595	$650,951	$535,245	$615,311	$587,390
Plans and royalties (lump sum)				$57,000 00	$57,000 00	$57,000 00	$57,000 00	$57,000 00
Bridge superstructure (lump sum)				489,000 00	540,000 00	563,000 00	607,000 00	519,000 00
37,000 lbs./37,000 lbs./75,000 lbs. reinforcing metal in superstructure				10	10	10	10	10
Add for additional heel lock equipment and movable barriers				16,000 00				16,000 00
Additional structural steel (per pound)				10	10	10	10	10
Additional machinery steel and iron (per pound)				42	42	42	42	42
Additional steel castings (per pound)				24	24	24	24	24
Additional iron castings (per pound)				20	20	20	20	20
Additional bronze and babbitt metal (per pound)				60	60	60	60	60
Additional creosoted timber and lumber (per 1,000 ft.b.m.)				240 00	240 00	240 00	240 00	240 00
Additional counterweight metal (per pound)				04	04	04	04	04
Extended totals for superstructure				$553,500	$604,500	$623,700	$667,700	$595,700
Extended grand totals				$1,127,095	$1,255,450	$1,158,945	$1,283,011	$1,183,091

* Items 21 to 25, inclusive for additional material are not considered in comparison of proposals

Buildings

PROPOSED WORK

Vt., Ludlow—Hotel—Ludlow Hotel, Main St., plans to build concrete, brick and steel addition, rein.-con. flooring, concrete foundation. About $100,000. A. H. Smith, Gryphon Bldg., Rutland, archt.

Vt., Pittsford—Hospital—State Tuberculosis Assn. having plans prepared by Scopes & Feustman, archts., 64 Main St., Saranac Lake, N. Y., for 1 story, brick and frame. About $75,000. T. Wagner, pres.

Mass., Cambridge—Memorial—City plans to build memorial auditorium. About $300,000. Architect not selected.

Mass., Cambridge—Store and Office—Holmes Realty Co., Central Sq., plans to rebuild store and office building. About $75,000. Architect not selected.

Mass., Dedham—Business—Knights of Columbus plan to build brick and steel, on Washington and High Sts. About $75,000. Architect not selected.

Mass., Holyoke—Home—Holyoke City Hospital, Beech St., had plans prepared by G. P. Alderman & Co., archts., Peoples Savings Bank Bldg., for 3 or 4 story, brick and steel. Cost between $100,000 and $150,000. Project will mature in spring. Noted June 3.

Mass., New Bedford—School—St. Anthony Roman Catholic Church, 1357 Acushnut Ave., plans to build 2 story, brick and steel, rein.-con. flooring, concrete foundation, on Bowditch St. About $100,000. W. F. Fontaine, 285 Main St., Woonsocket, R. I., archt.

Mass., Quincy—Church—Bethany Congregational Church, 118 Presidents Lane, plans to build 1 story, brick and steel. About $75,000. Architect not selected.

Mass., Salem—Hospital—C. Grove, c/o Haven & Hoyt, archts., 220 Devonshire St., Boston, plans to build children's hospital, on Derby Ave., here.

Mass., South Hadley—Dormitory—Mt. Holyoke College had plans prepared by Brainer & Leeds, archts., 89 Franklin St., Boston, for 3 story, concrete, brick and stone, rein.-con. flooring, concrete foundation, on campus. About $500,000.

Mass., Springfield—Club—Y. M. and Y. W. H. A. plan to build clubhouse. About $75,000. H. Adaskin, 234 Main St., pres. Architect not selected.

Mass., Springfield—Theatre—Goldstein Bros. Co., Bridge St., plans to build 1 and 2 story, brick and steel, on State St. About $125,000. Architect not announced.

R. I., Woonsocket—Church—Notre Dame Roman Catholic Church, 253 Social St., plans to build 1 story, brick and steel. About $125,000. Architect not selected.

Conn., Bridgeport—Bank—Commercial Bank & Trust Co., 1334 Main St., plans to build concrete, brick and steel, on Main St. near Congress St. About $100,000. Architect not selected.

Conn., Bridgeport—Club—Fraternal Order of Eagles, 1580 Main St., plans to build concrete, brick and steel, on Main St. near East Washington Ave. About $100,000. Architect not selected.

Conn., Fairfield—Hall—Town plans to build 2 story, brick and steel, on Post Rd. About $100,000. Architect not announced.

Conn., Hartford—Office—Aetna Life Insurance Co., 650 Main St., plans to build concrete, brick and steel (probably 30 story), on Trumbull St. Architect not announced.

Conn., Hartford—Office—Orient Insurance Co., 20 Trinity St., plans to build 6 story, 42 x 100 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Clinton St. About $200,000. W. F. Brooks, Lewis and Gold Sts., archt.

Conn., Hartford—School—City plans to build 2 story, 82 x 140 ft. open air school, concrete, brick and steel, concrete foundation, at Colts Park. About $175,000. Whiton & McMahon, 36 Pearl St., archt. Noted Sept. 30.

Conn., New Britain—Bank—Commercial Trust Co., 274 Main St. soon receives bids building 6 story, brick and stone, on West Main and Washington Sts. About $200,000. A. Hopkins, 101 Park Ave., New York City, archt. and engr. Noted Nov. 4.

Conn., New Britain—Club—Knights of Columbus, 434 Main St., had plans prepared by Palmer & Ludorf, archts., Mutual Bldg., for 3 story, concrete, brick and steel, rein.-con. flooring, concrete foundation, on Franklin Sq. and Pearl St. About $200,000.

Conn., West Haven (New Haven P. O.)—School—Union School Dist. town of Orange, had plans prepared by R. W. Foote, archt., 185 Church St., New Haven, for 3 story, concrete, brick and steel, rein.-con. flooring, concrete foundation. Cost between $350,000 and $400,000. Noted Jan. 1.

N. Y., Middletown—Hospital—State Hospital Comn., Capitol, Albany, soon receives bids building chronic hospital, here, 3 story, 44 x 320 ft., with three 37 x 76 ft. wings, rein.-con. concrete foundation. About $4,000,000. Noted April 15.

N. Y., New York—Clubhouse—Friendly Aid Society, 246 West 34th St., receives bids about Jan. 2, building 3 story, 50 x 60 x 70 ft., brick and stone, brick foundation, at 599 1st Ave. About $90,000. A. J. Hemphill, pres. F. P. Kelley, 477 5th Ave., archt. and engr.

N. Y., New York—Office—J. G. Johnson, Cliff St., having plans prepared by Ballinger & Perrott, archts. and engrs., 47 West 34th St., for 2 story, brick and stone, brick foundation, on Charlton St. About $100,000.

N. Y., Oswego—High School—Bd. Educ. receives bids in spring building 3 story, 200 x 264 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Utica St. About $450,000. J. A. Randall, S. A. & K. Bldg., Syracuse, archt. and engr.

N. J., Montclair—Church—Central Presbyterian Church, 53 Church St., having sketches made by Carrere & Hastings, archts. and engrs., 52 Vanderbilt Ave., New York City, for brick and stone, brick foundation, on Park St. About $100,000.

N. J., Trenton—Church—St. James Catholic Church plans to build new church. About $75,000. Address T. J. Walsh, 153 North Warren St. Architect not selected.

N. J., Trenton—Church and Sunday School—F. E. Tormey, archt., 813 Newington Ave., Baltimore, preparing plans and soon receives bids building 3 story, 55 x 119 ft. steel and stone, rock foundation, for Blessed Sacrament Church. About $125,000. Noted Oct. 21.

N. J., Trenton—Office—W. Hankin, archt., 241 South Warren St., opens bids about Nov. 28, building 8 story, 97 x 193 ft., rein.-con., brick and terra cotta, on East State St., for R. C. Maxwel Co., 413 East State St.

Pa., Dormont (Pittsburgh P. O.)—High School—Boro. voted $305,000 bonds to build new high school. A. C. Downs, secy. Boro. High School.

Pa., Reading—Comfort Stations, etc.—City voted $1,940,000 bonds to build comfort stations, house and storm sewers and to pave various streets.

Pa., Reading—Theatre and Office—Wilmer & Vincent, Columbia Theatre, New York City, having plans prepared by Hoffman-Henon, archts., Finance Bldg., Phila., for 6 story, 150 x 160 ft., concrete and brick, on 10th and Penn Sts., here. About $500,000.

Md., Baltimore—Hospital—State having plans prepared by Sill, Buckler & Fenhagen, archts., 11 East Pleasant St., for group of brick and stone hospital buildings for colored consumptives, 18 mi. from here. About $200,000.

Buildings (Continued)

Md., Baltimore—Theatre—Amer. Theatre Co. 339 Equitable Bldg., having plans prepared by E. G. Blanke, archt., 532 North Calvert St., for 1 and 2 story, brick and stone, concrete foundation, on Boulevard near 33rd St. and Greenway. About $200,000.

W. Va., Clarksburg—Hotel—W. P. and G. D. Goff plan to reconstruct hotel here, now containing 156 rooms, also add addition of 150 rooms and large auditorium. Architect not selected.

W. Va., Huntington—Store—O. L. Standard Dry Goods Co., plans to build 7 story, rein.-con. steel, brick and concrete, to contain 7,000 ft. floor space. About $100,000. Architect not selected.

W. Va., White Sulphur Springs—Bank—White Sulphur Springs Bank having plans prepared by Simon, Brittain & English, archts., Magee Bldg., Pittsburgh, Pa., for 2 story, 40 x 60 ft., concrete, brick and steel, rein.-con. flooring. Cost between $75,000 and $85,000.

Fla., Tampa—Clubhouse—Sacred Heart Church plans campaign to raise $100,000 for 4 story, 53 x 114 ft., rein.-con. and brick, rein.-con. flooring, on Marion and Madison Sts. J. E. Farrell, Marion and Twigg Sts., pastor. Architect not selected.

Fla., Tampa—Hospital—Florida Baptists, c/o C. W. Duke, 109 Cardy St., plan to build hospital. About $500,000.

Tenn., Memphis—Home Salvation Army having plans prepared by J. Bliss, archt., 56 North 2d St., for 4 story, rein.-con. and brick, on North 2d St. About $100,000. W. Yager, adjutant.

Ky., Louisville—Church—First Presbyterian Church, 4th and York Sts., plans to build church at 1st and Armsly Sts. About $100,000.

Ky., Louisville—Temple—Labor Union, 324 West Jefferson St., plans to build labor temple. About $350,000.

Ky., Louisville—University and Memorial—State defeated $1,000,000 bond issue for university and $500,000 bond issue for memorial building. Project will be submitted again to people at next regular election, Nov. 8, 1921. Noted May 13.

O., Bloomville—School—Bd. Educ. having plans prepared by Glass & Austin, archts., Casco Bldg., Columbus, for 2 story, 80 x 111 ft., brick and concrete. About $140,000. J. P. Webster, clk.

O., Cleveland—Church—Garfield Blvd., Church of God, c/o W. Honeywell, 10514 Kimberly Ave., plans to build 1 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation. About $75,000. Architect not selected.

O., Cleveland—Church—St. Joseph's Roman Catholic Church, 14422 Aspinwall Ave., having revised plans prepared by C. R. Greco, archt., Guardian Bldg., for 2 story, 84 x 157 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 146th St. and St. Clair Ave. About $150,000. J. W. Bell pastor. Noted Aug. 19.

O., Cleveland—Commercial—W. Ambler, The Arcade, plans to build 3 story, concrete, brick and steel, rein.-con. flooring, brick and concrete foundation, on Prospect Ave. near East 22nd St. About $100,000. Architect not selected.

O., Cleveland—Commercial—G. Bowman, c/o N. Bowman, 224 Euclid Ave., plans to alter 2 story, brick and steel at 224 Euclid Ave. About $75,000. A. Garfield, Natl. City Bldg., archt.

O., Cleveland—Commercial—W. J. Delaney, 1112 Crawford Rd., receiving bids building 1 story, 60 x 140 ft., brick and steel, brick foundation, on Euclid Ave. and Collamer Rd. About $75,000. F. S. Fish, 6508 Euclid Ave., archt.

O., Cleveland—Commercial, etc.—Hayden Investment Co., c/o Kangesser, Park Bldg., purchased site and plans to construct 5 story, 80 x 210 ft., commercial building and garage, rein-con. brick and steel, rein-con. flooring, brick and concrete foundation on East 30th St. and Prospect Ave. About $400,000. J. L. Weinberg, Schofield Bldg., archt.

O., Cleveland—Hotel—S. S. Koslen, 1077 East 97th St., plans to build 7 story, 69 x 190 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Euclid Ave. About $500,000. Architect's name withheld.

O., Cleveland—Restaurant and Commercial—Oriental Amer. Bldg. Co., c/o Allen-Osborne Co., archts., Rose Bldg., plans to build 5 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at 1618 Euclid Ave. About $200,000.

O., Columbus—Church—First Universalist Church, 24 West Goodall St., having sketches made by Mills & Millspaugh, archts., 67 East Long St., for church on 16th Ave. About $125,000. C. A. Alden, pastor.

O., Dayton—Clubhouse and Lodge—Knights of Columbus, Council 500, 27 West Monument Ave., plan to build 2 story addition, including ballrooms, dining room, bowling alleys, gymnasium, etc., rein.-con., brick and steel, concrete foundation. About $100,000. B. Danis, c/o Danis-Hunt Co., 1st and Webb Sts., archt.

O., Dayton—High School—Bd. Educ. plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Summit St. About $750,000. Schenk & Williams, Mutual Home Bldg., archts.

O., Dayton—Hospital—Association of Jewish Congregations, North Jefferson St., plan to build 4 story, rein.-con. and brick, concrete foundation, on Forest Ave. About $400,000. S. Meyerberg, chn. Architect not selected.

O., Dayton—Office and Store—West Side Bldg. & Loan Assn., 1100 West 3rd St., plans to build 5 story, 98 x 165 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on 3rd St. and Bway. About $175,000. Architect not selected.

O., Ravenna—Theatre—K. S. Sweitzer having plans prepared by Frank & Wagner, archts., 602 Permanent Title & Trust Bldg., Akron, for 3 story. About $100,000.

O., Springfield—Gymnasium and Auditorium—Wittenberg College, College Hill, plans to build 3 story, steel, concrete and stone. About $500,000. C. Huckert, pres. Architect not selected.

O., Warren—Fire Station—City plans to build 2 story fire station on West Side. About $80,000.

O., Youngstown—Bank and Office—Central Bank & Trust Co., Central Sq., plans to build 12 story, 40 x 180 ft., brick and terra cotta concrete flooring and foundation. About $1,500,000.

O., Youngstown—Church—First Reformed Church, 117 West Wood St., plans to build 2 story, 200 x 225 ft., brick and terra cotta, on Wick Ave., to include auditorium, several classrooms, etc. About $125,000. F. Mayer, pastor.

O., Youngstown—Hotel—F. E. Skelly, 17 South Champion St., plans to build 4 story, 100 room, 150 x 175 ft., at Lake Milton. About $110,000.

O., Youngstown—Lodge—Masonic Temple Co., Wick Ave., plans to build 6 story, 70 x 200 ft. addition. About $850,000. C. Owsley, 1301 Mahoning Bank Bldg., will probably be selected as archt.

Ind., Evansville—College—Evansville College receives bids in December or January, building 3 story, 66 x 174 ft., college, on Lincoln Ave. About $400,000. Fullenwider & Dowling, 6 North Michigan Ave., Chicago, archts.

Ind., Hammond—Temple—R. G. Schmid & Co., archts., 154 West Randolph St., opens bids about Dec. 20, building 1 story, 100 x 100 ft., brick and terra cotta, brick and concrete foundation, for Masonic League. About $250,000.

Mich., Detroit—Hotel—Brown & Preston, archts. and engrs., Empire Bldg., preparing preliminary plans for 3 story, 76 x 160 ft., rein.-con., steel, stone and tile, rein.-con. flooring, concrete foundation. About $120,000. Owner's name withheld.

Mich., Detroit—School—St. Thomas Parish having plans prepared by Van Leyen, Schilling, Keough & Reynolds, archts., 556 Cass Ave., for 2 story, 64 x 98 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Thomas Ave., to include 34 x 48 ft. heating plant. About $175,000.

Mich., Detroit—Synagogue—H. Kohner and A. J. Seeler, archts., Kresge Bldg., preparing plans for 1 story, 40 x 109 ft., brick, steel and stone, brick foundation, East side. About $85,000. Owner's name withheld.

Mich., Detroit—Theatre and Office—Northwestern Bldg. Corp., 2063 West Grand Blvd., plans to build 2 story, (3,500 seating capacity) rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Grand River Ave. About $2,000,000. C. W. and G. L. Rapp, 190 North State St., Chicago, archts.

Mich., Detroit—Y. W. C. A., Washington and Clifford Sts., plans to construct 3 story administration building, rein.-con., brick, steel and stone, rein.-con. flooring, concrete foundation, on East Kirby Ave. About $200,000. C. R. Wilson, pres. Bd. Mgrs. Architect's name withheld.

Mich., Ironwood—Municipal—City plans to build 3 story, rein.-con., brick and steel rein.-con. flooring, concrete foundation. Bonds for $300,000 voted for project. Architect not selected.

Mich., Jackson—School—Polish Catholic Parish having plans prepared by Donaldson & Meier, archts., 1314 Penobscot Bldg., Detroit, for 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, here. About $150,000.

Mich., Monroe—School—Bd. Educ. having plans prepared by W. S. Holmes, archt., Lansing, for 2 story, 60 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $170,000.

Mich., Saginaw—School—Bd. Educ. having plans prepared by Cowles & Mutschel ler, archts., Chase Blk., for 3 story, 173 x 282 ft., rein.-con., brick, steel and stone, rein.-con., flooring, concrete foundation, on Weadock and Park Sts. About $1,000,000.

Ill., Chicago—Church and Community Houses—Pilgrim Congregational Church, 64th St. and Harvard Ave., plans to build 2 story, 100x122 ft., rein.-con., brick and steel, concrete foundation. About $500,000. C. B. Falkner, 140 South Dearborn St., archt.

Ill., Chicago—Church and Office—First Methodist Episcopal Church, 77 West Washington St., having preliminary plans prepared by Holabird & Roche, archts., 104 South Michigan Ave., for 20 story, 80 x 180 ft., rein.-con., on Washington and Clark Sts. About $2,000,000.

Ill., Chicago—Home—Oak Haven Old Peoples Home Co., 64th St. and Stewart Ave., plans to build two 2 story, 32 x 100 ft., rein.-con. and brick additions, concrete and rock foundations, in Oak Haven Park. Cost, $75,000 each. C. B. Falkner, 140 South Dearborn St., archt.

Ill., Chicago—Hotel—B. H. Rosen, 1854 North Irving Ave., plans to build Farewell Beach Hotel, 5 story, 100x130 ft., rein.-con., rein.-con. flooring, concrete foundation, in Rogers Park. About $350,000. R. C. Harris, 190 North State St., archt.

Ill., Winnebago—School—Bd. Educ. Consolidated Dist. 124 plans to build 2 story, 86 x 129 ft., brick. About $125,000. E. A. Payne, Carthage, archt.

Wis., Fond du Lac—Lodge and Office—Loyal Order of Moose having plans prepared by B. E. Mehner, archt., Forest Ave., for 6 story, 80 x 92 ft., rein.-con., brick, steel, stone and tile, concrete foundation, on Main St. About $150,000. W. S. Dyhr, dictator.

Wis., Kenosha—Clubhouse—German-Amer. Home Assn., 821 Newell St., plans to build 3 story, brick and concrete, rein.-con. flooring, concrete foundation, on Grand Ave. About $75,000. Architect not selected.

Wis., Kenosha—Hotel—D. T. McOwen, 213 Park St., having plans prepared by White, White & Co., archts., Pub. Serv. Bldg., for 4 story, rein.-con., brick, tile and terra cotta, on Park and Church Sts. About $200,000.

Wis., La Crosse—Club—Elks Lodge, 5th and State Sts., plans to build club house. About $200,000. J. F. Barlow, secy. Architect not selected.

Wis., Marinette—High School—School Bd. having plans prepared by D. Hubert, archt., Spies Bldg., Menominee, Mich., for 2 story, concrete and brick junior high school, rein.-con. flooring, concrete foundation. Bonds for $250,000 voted for project.

Wis., Oconomowoc—Theatre and Office—A. C. Clas, archt., Colby-Abbot Bldg., Mil-

Buildings (Continued)

waukee, opens bids about Nov. 20, building 2 story, 70 x 115 ft., brick and steel, rein.-con. flooring, concrete foundation, on Main St., here, for Binzel, Oconomowoc. About $75,000. Noted Nov. 11.

Wis., Racine — School — Bd. Industrial Educ., City Hall, having plans prepared by A. A. Guilbert, archt., Robinson Blk., for 3 story, 85 x 186 ft., brick, rein.-con. flooring, concrete foundation, on Geneva St. About $250,000.

Wis., West Bend—Store and Office—Fuge Hardware Co. having preliminary plans prepared by J. E. Hennen, archt., 74 South Main St., Fond du Lac, for 3 story, 80 x 160 ft., rein.-con., brick and steel, concrete foundation on Main St. About $75,000. H. Fuge, mgr.

Ia., Cedar Rapids — High School — Bd. Educ. soon receives bids building 4 rein.-con., brick and tile high schools. Cost, $1,200,000. Bonds for $1,000,000 voted for project. K. Mategil, secy. F. Tustison, 355 Auditorium Bldg., Minneapolis, Minn., engr. Rugh & Zalesky, 811 Securities Bldg., Des Moines, archts.

Ia., Mt. Delhi—School—Bd. Educ. having plans prepared by Netcott & Netcott, archts., 517-19 Black Bldg., Waterloo, for 2 story, 50 x 76 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $81,000.

Ia., Shellsburg—High School—Bd. Educ. having plans prepared and receives bids about Jan. 15, building 3 story, 80 x 110 ft., rein.-con., brick, steel, stone and tile. About $160,000. A. K. Rife, secy. J. G. Ralston, 709 L. & J. Bldg., Waterloo, archt.

Minn., Annandale—High School—Bd. Educ. having plans prepared by C. H. Parsons, archt., 600 Builders Exch., Minneapolis, for 2 story, 110 x 154 ft. rein.-con., brick and stone. About $250,000.

Minn., Eveleth—High School—Bd. Educ. receives bids about January, building 3 story, 140 x 200 ft. rein.-con., brick, steel and tile. About $750,000. J. M. Stearns, clk. W. T. Bray, 817 Torrey Bldg., Duluth, archt. Noted Oct. 14.

Minn., Lewistown—High School—Bd. Educ. receives bids about Jan. 1, building 2 story, 60 x 100 ft. rein.-con., brick and tile. About $135,000. W. F. Gensmer, clk. Croft & Boerner, 822 Palace Bldg., Minneapolis, archts.

Minn., Minneapolis—Bath Houses—City receives bids in spring building concrete bath houses. About $75,000. F. W. Cappelen, city engr.

Minn., Minneapolis—High School—Bd. Educ. soon receives bids building main portion, 2 story, 224 x 246 ft., and industrial wing, 1 story, 116 x 232 ft., rein.-con., brick, steel and stone. About $600,000. Noted July 15.

Minn., Minneapolis—Office—A. H. Parks, 706 Physicians & Surgeons Bldg., is chn. of syndicate which plans to construct office building, 12 or more stories high. About $1,000,000. Architect not selected.

Minn., Minneapolis—Police Station—City voted $75,000 bonds to build 2 story, 60 x 90 ft. concrete, brick and stone, at 2915 Bryant Ave. S. A. O. Fosher, City Hall, asst. city bldg. inspector. J. F. Walker, supt. police.

Minn., Minneapolis—School—Bd. Educ. soon receives bids building 2 story, 104 x 200 ft. rein.-con., brick and stone, on 38th St. and Harriet Ave. E. H. Enger, 305 City Hall, archt.

Minn., Minneapolis—School—Bd. Educ., 305 City Hall, plans to build addition and convert grade school into junior high school, at 410 James Ave. N. About $250,000. G. F. Womrath, business supt. E. H. Enger, 305 City Hall, archt.

Minn., Minneapolis—Theatre and Stores—A. Muenze & Co., 533 Palace Bldg., having plans prepared by S. J. Bowler, archt., 617 Phoenix Bldg., for 2 story, 85 x 170 ft. rein.-con. and brick. About $100,000. Noted Oct. 14.

Minn., Spring Grove—School—Bd. Educ. Dist. 54 had plans prepared by Sund & Dunham, archts., 512 Essex Bldg., Minneapolis, and receives bids about Jan. 1, building 2 story, 65 x 121 ft. rein.-con. and brick addition. About $100,000. J. A. Honoos, clk.

Minn., Thief River Falls—School—Bd. Educ. soon receives bids building 2 story, 88 x 113 ft. rein.-con. and brick. About $100,000. P. C. Myhrum, clk. Sund & Dunham, 512 Essex Bldg., Minneapolis, archts.

Kan., Scott City—Hospital—Scott City Hospital Co. having plans prepared by Mann & Gerow, archts., 722 Rorabaugh Wiley Bldg., Hutchinson, for 2 story, 35x 70 ft. rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $75,000.

Kan., Scott City—School—Bd. Educ. having plans prepared by Mann & Gerow, archts., 722 Rorabaugh Wiley Bldg., Hutchinson, for rein-con., steel and brick, rein.-con. flooring, concrete foundation. About $80,000.

Neb., Lincoln—Municipal—City plans to construct 2 story municipal building on 10th and Q Sts. Cost, between $100,000 and $150,000. E. Davis, Lincoln, archt.

Neb., Norfolk—High School—Bd. Educ. plans election to vote on $450,000 bonds to build 2 story, rein.-con., brick and tile. B. Wolford, secy. J. C. Stitt, Norfolk, archt.

Neb., Wymore—Hotel—Wymore Hotel Co., c/o J. S. Jones, plans to build hotel with 100 rooms, rein.-con., brick and steel, rein.-con. flooring concrete foundation. About $350,000. Architect not selected.

S. D., Rapid City—Court House and Jail—Pennington Co. having plans prepared by W. E. Hulse & Co., archts., 309 Securities Bldg., Des Moines, for court house and jail. Bonds for $500,000 voted for project. Noted Sept. 30.

S. D., Vermillion—School—Bd. Educ. having plans prepared by W. E. Hulse & Co., archts., 309 Securities Bldg., Des Moines, Ia., for building 2nd unit of Jr. High School and 2 grade schools, rein.-con. and steel, rein.-con. flooring. Total cost, $150,000. Noted Oct. 21.

N. D., Alamo—School—City voted $75,000 bonds to build 2 story school. Architect not announced.

Wyo., Casper — Fire House — City voted $110,000 bonds to build and equip new fire house. Noted Sept. 23.

Mont., Hamilton—Theatre—L. H. Sutton and W. J. Hartwig, 18 North Center St., Helena, plans to build rein.-con. brick and steel theatre, seating capacity 1,000. About $100,000. Architect not announced.

Mo., St. Louis—Clubhouse—Knights of Columbus, c/o L. E. Hart, La Salle Bldg., plan to build clubhouse, on Lindell Blvd. About $1,000,000. Architect not selected.

Mo., St. Louis—School—Cann & Corrubia, archts., De Menil Bldg., open bids about Dec. 1, building 3 story, 35 x 85 ft., brick and rein.-con., on Skinker and Lindell Sts., for Washington University. About $100,000.

Tex., Dalhart—High School—City voted $125,000 bonds to build high school. Address Superintendent of Schools, Independent Dalhart School Dist.

Tex., Dallas—Hospital—Methodist Episcopal Church South, c/o W. N. Ainsworth, Austin, plans to build hospital, here, in connection with Medical College. About $1,000,000. Architect not selected.

Tex., Weatherford — High School — City plans election soon to vote on $200,000 bonds to build high school.

Tex., Woodville—High School—Independent School Dist. voted $75,000 bonds to build high school.

Okla., Norman—Fraternity House—Nu Omega Housing Assn. of Phi Gamma Delta plans to build 2 story, 45 x 100 ft., rein.-con., brick and stone rein.-con flooring, brick and concrete foundation on Boyd Ave. About $75,000. K. Nomland, 312 S. W. Natl. Bank Bldg., Oklahoma City, archt.

Col., Denver — Hospital — State Bd. Regents plan to build hospital and laboratory for curable insane here. Bonds for above project were authorized at last election, Nov. 2.

Wash., Seattle — Club — University of Washington, Y. M. C. A., Men's Bldg., University Campus, will receive bids in January building 4 story, 65 x 85 ft., rein.-con. and brick on North 42nd and 15th St. N. E. About $250,000. Baker, Vogel & Evans, Pacific Blk., archts.

Cal., Stockton—Hall, Exhibit, etc.—San Joaquin Co. defeated $350,000 bond issue to construct buildings at Agricultural Park. Noted Oct. 14.

Ont., West Toronto—Restaurant and Office—Childs Co., 200 5th Ave., New York City, soon lets contract building 6 story, 50 x 175 ft., brick, steel and stone, at 9 King St. here. About $200,000. J. C. Westervilt, 36 West 34th St., New York City, archt. and engr.

Ont., Windsor—Police Station—City had plans prepared by G. J. F. Jacques, archt., 15 Sandwich St. W., for 2 story, 69 x 80 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on City Hall Sq. About $175,000.

BIDS DESIRED

Mass., Boston — Church — Woodbury & Stuart, archts., 581 Boylston St., receiving bids building 1 story, brick and steel, rein.-con. flooring, rock foundation, for Italian Methodist Episcopal Church, Hanover St. About $75,000.

Mass., Boston—Institute—C. G. Loring, archt., 7 Water St., receiving bids altering mercantile building on Chauncy St., for Whitman Bldg. Institute, 78 Chauncy St. About $100,000.

Mass., Linwood—School—Church of Good Shepard receiving bids building 2 story, 62 x 88 ft., brick and steel, concrete foundation, on Linwood Ave. About $75,000. Private plans. Noted Sept. 30.

Mass., New Bedford—Schools—Until Nov. 22, by Bd. Educ. building 2 story, 171 x 184 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Summer St. About $600,000. Smith & Howland, Bartlett Bldg., archts. Noted Aug. 26.

Mass., New Bedford—Schools—Until Nov. 22, by Bd. Educ. building P. S. 1 on Rochambeau St., and P. S. 2 on Mt. Pleasant St., each to be 2 story, 170 x 250 ft., brick, steel and concrete, rein.-con. flooring, concrete foundations. Cost $800,000 each. LaBrode & Bullard, 251 Union St., archts. Incorrectly noted in our issue of Oct. 28.

N. Y., New York—Club and Office—Until Dec. 1, by Slee & Bryson, archts and engrs., 154 Montague St., Brooklyn, building 4 story, 50 x 75 ft. brick and stone, brick foundation, at 250 West 25th St., for Auditorium Assn., c/o architects. About $250,000. Noted June 10.

D. C., Wash.—School—Until Nov. 23, by Dist. Comrs., building 2 story, brick, steel and stone, on 18th, 20th, Monroe and Ashford Sts. About $150,000. S. Ashford, Dist. Bldg., archt. Noted Aug. 19.

Fla., Key West—Clubhouse, etc.—Until Dec. 1, by E. Martinez, engr., c/o Secretaria de Obras Publicas, Havana, Cuba, and Cuban Consuls office, here, building 3 story, 100 x 105 ft. rein.-con. and brick, rein.-con. flooring, for San Carlos Club. About $200,000.

Ill., Chicago — Home — Until Jan. 1, by C. B. Falkner, archt., 140 South Dearborn St., building 3 story, 100 x 100 ft., rein.-con., brick and stone, concrete and rock foundation, in Oak Haven Park, for Oak Haven Old Peoples Home, 66th St. and Stewart Ave. About $100,000.

Ill., Oak Park—High School—Holmes & Flinn, archts., 8 South Dearborn St., Chicago, receiving bids building 4 story, 100x 200 ft., rein.-con. addition, concrete foundation, for Oak Park and River Forest Twp. About $200,000. Noted Jan. 1.

Ill., Rockford—Theatre and Office—J. E. O. Pridmore, archt., 38 South Dearborn St., Chicago, receiving bids building 2 story, 100x200 ft., rein.-con. brick, concrete foundation, here, for Frekiksen & Calvert. About $200,000.

Wis., Clear Lake—School—Until Dec. 15, by Bd. Educ., building 2 story, rein.-con. and brick, brick foundation. About $75,000. W. L. Alban, 374 Endicott Bldg., St. Paul, Minn., archt. Noted Nov. 11.

Wis., Frederic—High School—Until Dec. 15, by Secretary School Bd., building 2 story, 100 x 175 ft., brick, steel, and tile, rein.-con. flooring, concrete foundation. E. J. Hancock, Lyric Bldg., Eau Claire, archt. and engr. Noted Oct. 14.

Wis., Oconomowoc — Armory—Wisconsin Natl. Guard receiving bids building 2 story, 72 x 120 ft., rein.-con. and brick, concrete foundation, on Main St. About $120,000. H. C. Hengels, 1st Wisconsin Natl. Bank Bldg., Milwaukee, archts. Noted Oct. 28.

Kan., Eldorado—Auditorium—Until Nov. 23, by city building 2 story, 65 x 135 ft., concrete and steel. Washburn & Stookey, Ottawa, archts. About $100,000. Noted Sept. 30.

Buildings (Continued)

Kan., Glasco—School—Until Dec. 1, by Bd. Educ., Dist. No. 2, building 2 story, 60 x 96 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $100,000. W. H. Sayler & Co., 306 Mutual Bldg., Kansas City, Mo., archts. Noted Sept. 9.

Kan., Topeka—Hospital—Until Dec. 3 by Shawnee Co., building 3 story, 40x55 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $75,000. F. C. Squires, 628 Kansas Ave., archt.

S. D., Mitchell—Auditorium—Until Dec. 3, by P. McGovern, city aud., building 1 story (70 ft. high), 182 x 300 ft., rein.-con. and brick, on North Main St. and 6th Ave. About $300,000. Former bids rejected. C. W. and G. L. Rapp, 190 North State St., Chicago, archts. Noted Sept. 30.

Okla., Tulsa—Temple—Masonic League, 518 South Main St., receiving bids building 6 story, 100 x 140 ft., rein.-con., brick and stone addition, concrete foundation. About $650,000. R. G. Schmid & Co., 154 West Randolph St., archts.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Vt., Newport**—Armory—State Bldg. Comn., Montpelier, let contract building 1 story, brick, concrete and steel, rein.-con. flooring, concrete foundation, to H. O. Smith, Newport. About $75,000.

★**Mass., Boston**—Office—W. Whitman Co. Inc., 78 Chauncy St., let contract remodeling exterior and interior, to Whidden-Beekman Co., 100 Boylston St. About $100,000.

★**N. Y., Great Neck**—Schools—Bd. Educ. let contract building two 2 story, brick and stone, brick foundations, on Middle Neck Rd., to M. C. Tredennick, 331 Madison Ave., New York City. About $400,000. Noted Oct. 21.

★**N. Y., Hadley**—Housing—See "Industrial Works."

★**N. Y., New York**—Store and Office—Sidem Bldg. Co., c/o Gronenberg & Leuchtag, archts. and engrs., 303 5th Ave., will build 6 story, 50 x 100 ft. brick, steel and stone, concrete foundation, at 123 West 33d St. About $200,000. Work will be done by day labor.

★**Del., Wilmington**—Theatre—Parkway Co., Box 46, let contract building brick and stone, to J. S. Hamilton & Co., 829 Orange St. About $107,000.

★**Md., Baltimore** — Synod Hall — Protestant Episcopal Cathedral of Incarnation, University Parkway, let contract building 2 story, 50 x 70 x 140 ft., stone and granite, concrete foundation, to Morrow Bros., 1201 Fidelity Bldg. About $270,000.

★**Va., Norfolk**—Synagogue—Beth El Congregation, c/o Herts & Robertson, archts. and engrs., 331 Madison Ave., New York City, let contract building brick, stone and steel, brick foundation, here, to E. W. Minter Co., Inc., 115 Bway., New York City. About $250,000. Noted Jan. 29.

★**O., Cleveland**—Bank and Commercial—Cleveland Trust Co., c/o A. McCaslin, East 9th St. and Euclid Ave., let contract building 2 story, 40 x 80 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Fulton Rd. and Poe Ave., to G. A. Rutherford Co., 2729 Prospect Ave. About $75,000. Noted Oct. 28.

★**O., Cleveland**—Clubhouse—Carpenters Dist. Counsel, c/o H. C. Miller, West 3rd St. and St. Clair Ave., let contract remodeling brick, steel and concrete clubhouse, on East 14th St. and Central Ave., to Concrete Constr. Co., 2325 Riverside Rd. About $80,000.

★**O., Cleveland**—Commercial and Office—S. Kaplan, 1418 Prospect Ave., let contract building 2 story, 62 x 90 ft., brick and steel, brick foundation, at 1428 Prospect Ave., to A. Hausman, 18014 Gooding Ave. About $75,000.

★**O., Cleveland**—Hospital—Babies & Children's Hospital Assn., c/o A. Garfield, archt., 915 Natl. City Bldg., let contract building 9 story, 60 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at 11020 Euclid Ave., to Crowell & Little Constr. Co., 1951 East 57th St. About $500,000. Noted Sept. 2.

★**O., Cleveland Heights** (Warrensville, P. O.)—School—Bd. Educ., Lee Rd., let contract building 2 story, to have two 35 x 70 ft. wings, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Fairfax Rd., to J. A. Moffett Co., 1836 Euclid Ave., Cleveland. About $140,000.

★**O., Conneaut** — Exchange, etc. — Conneaut Telephone Co. let contract building 2 story, 40 x 80 ft., exchange and garage, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, to Horton Constr. Co., Conneaut. About $75,000. Noted Oct. 14.

★**O., Lakewood** (Cleveland P. O.)—Schools—Bd. Educ. Warren Rd., let contract building 2 story, rein.-con., brick and steel additions, to McKinley, Lincoln and Franklin Schools, to Schirmer-O'Hara Co., 2031 Euclid Ave., Cleveland. About $350,000. Noted Aug. 12.

★**O., Marion**—Bank—Marion Natl. Bank let contract building 2 story, 47 x 132 ft., stone and steel addition, on Main St., to E. Elford, 307 East Gay St., Columbus. About $75,000. Noted Aug. 5.

★**Ind., Lafayette**—Office—Brotherhood of Painters, Decorators & Paperhangers let contract building 4 story, 60 x 120 ft., rein.-con., brick and terra cotta, on 4th and Ferry Sts., to A. E. Kemmer, 644 North 7th St. About $125,000. Noted Sept. 2.

★**Ill., Chicago**—Office and Store—Associated Silver Co., 5 South Wabash St., let contract building 2 story, 75 x 75 ft., rein.-con. and brick, concrete foundation, on Sunnyside St. and West Ravenswood Park, to H. F. Friestedt, 327 South LaSalle Ave. About $80,000.

★**Ill., Milledgeville**—School—Ashby, Ashby & Schulze, archts., 178 West Jackson St., Chicago, let contract to Schmidt Constr. Co., 105 North Clark St., Chicago, building 2 story, 80x134 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, for Bd. Educ. About $140,000. Noted Nov. 11.

★**Wis., Fond du Lac**—Hotel—Forest Ave. Hotel, 170 Forest Ave., let general contract building 4 story, 90 x 120 ft., rein.-con., brick, steel and tile, brick foundation, on Forest Ave. and Harrison Pl., to L. Schroeder, Main St. Total cost, $250,000.

★**Mo., Kansas City** — Church — Epworth Methodist Episcopal congregation let concrete contract for 2 story, 53 x 73 ft., on 45th and Bell Sts., to O. Tindahl, Kansas City, Mo. Balance of work to be done by day labor.

★**Col., Denver** — High School — City let contract building Morey Jr. High School, 2 story, 158 x 340 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 13th and 14th Aves., Emerson and Clarkson Sts., to J. R. McDonald, 2205 Forest St. About $427,000. Noted Sept. 30.

★**Ariz., Tucson** — Dormitory—University of Arizona let general contract building boys' dormitory, brick and stone, on campus, to English & Pierce, Phoenix, $122,300; plumbing and heating, to Corbett Co., Tucson, $10,268. Noted May 6.

★**Cal., Pasadena**—Laboratory and Hall—Throop College of Technology, East California St., let contract building laboratory and hall, rein.-con. and steel, rein.-con. flooring, concrete foundations, to W. C. Crowell, Chamber of Commerce. About $150,000 and $75,000 respectively. Noted Feb. 26.

HIGHWAY—CALIFORNIA

Bids were received by State Highway Comn., Sacramento, for constructing highway from Wadsworth Canal to Yuba City, Sutter Co., from (A) John Doyle, San Jose; (B) M. Blumenkrantz, Stockton; (C) C. M. Benson, Los Angeles. The unit bids were as follows:

	A	B	C
15,000 cu. yd. excavation without classification	$1.13	$1.65	$1.40
7,280 cu. yd Portland cement concrete class "A" (pavement)	17.60	19.90	22.25
45 cu. yd. Portland cement concrete class "A," (culverts and monuments	32.00	45.00	50.00
456 lin. ft. 12 in. corrugated metal pipe	2.75	3.00	4.00
102 lin. ft. 15 in. corrugated metal pipe	3.00	3.50	5.00
8 lin. ft. 36 in. corrugated metal pipe	7.00	5.00	8.00
96 lin. ft. guard rail	1.00	1.25	2.00
37 monuments (hauling and setting)	3.00	2.00	5.00
Extended totals	$148,341	$173,606	$188,007

Federal Government Work

PROPOSED WORK

Va., Langley Field — Roofing Dirigible Hangar—Constr. Div., War Dept., Wash., D. C., plans, here. Bids will be opened by Construction Quartermaster at above post.

Ill., Rock Island — Recuperator Shop — Constr. Div., War Dept., Wash., D. C., plans to build at arsenal, here. Bids will be received by Construction Quartermaster at above post.

P., Ft. Mills—Water System and Tank—Constr. Div., War. Dept., Wash., D. C., plans to build salt water system and rein.-con. water tank. Bids will be opened by Construction Quartermaster at above post.

BIDS DESIRED

S. C., Spartanburg—Mailing Vestibule, etc.—Until Dec. 6, by Treas. Dept., Wash., D. C., building new mailing vestibule, extending driveway and making interior changes in Post Office, here. J. A. Wetmore, superv. archt.

Ky., Louisville—Steel Dump Scows—Until Dec. 20, by U. S. Engineer, Box 72, furnishing and delivering 2 steel dump scows. Noted Aug. 5.

Ind., Ft. Wayne—Mezzanine Floor—Until Nov. 30, by Treas. Dept., Wash., D. C., building, in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Mich., Lansing—Elevator—Until Nov. 30, by Treas. Dept., Wash., D. C., installing in Post Office, here. J. A. Wetmore, superv. archt.

Ill., Chicago — Mezzanine Floor — Until Dec. 2, by Treas. Dept., Wash., D. C., building, in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Ill., Rockford — Freight Elevator — Until Dec. 1, by Treas. Dept., Wash., D. C., installing complete electric freight elevator in Post Office, here. J. A. Wetmore, superv. archt.

Tex., Galveston—Surface Drainage System—Until Dec. 9, by Treas. Dept., Wash., D. C., building new surface drainage system, new spray apron, repairing riprap, etc. J. A. Wetmore, superv. archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., South Boston (Boston P. O.)—Steam Locomotive Crane—Spec. 4263—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Nov. 10, installing at Naval Dry Dock, here, (1) work complete, from McMyler Interstate Co., Bedford, O., (2) $193,264, (240 days), (4) $178,320, (240 days), (5) $22; V. R. Browning, 1770 Lake Shore Blvd., Cleveland, O., (1) $235,000, (270 days), (2) $220,000, (270 days), (3) $215,000 (260 days), (4) $200,000, (5) $20 (260 days), alternate (1) $210,000. Noted Oct. 28.

★**N. Y., Ellis Island** (New York P. O.)—Hot Water Supply and Circulation System—Treas. Dept., Wash., D. C., let contract renewing entire hot water supply and circulation system, at Immigration Sta., here, to C. F. Mentzinger Sons, 354 Bway., Brooklyn, N. Y., $15,620.

N. Y., New York — Electric Traveling Bridge Crane—Spec. 4250—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Nov. 10, building for bulkhead handling ways No. 1 here, (1) work complete, from A. D. Grainger Co., 15 Park Row, (1) $56,400, (150 days), (2) $36,555, (150 days), (3) $19,900, (150 days), (4) $1.80; Niles-

Federal Government Work (Continued)

Bement-Pond Co., 111 Bway., (1) $57,900, (180 days), (2) $40,400, (180 days), (3) $17,500, (180 days), (4) $3, alternate 1, $51,200, (180 days), (2) $33,700; Manning, Maxwell & Moore, 119 West 40th St., (1) $69,774, (98 days), (2) $48,652, (98 days), (3) $21,122, (84 days), (4) $1.60. Noted Oct. 28.

N. Y., New York—Restoration of Assay Office—Treas. Dept., Wash., D. C., received bids Nov. 4, restoring damaged portions of U. S. Assay Office, here, from North Eastern Constr. Co., 101 Park Ave., $45,840; R. H. Brown, New York City, $46,214; B. Knopp, 431 West 41st St., $47,000. Noted Oct. 21.

★**N. J., Perth Amboy**—Extending Driveway, etc.—Treas. Dept., Wash., D. C., let contract repairing and extending driveway, etc., at Post Office, here, to W. J. Meagher, 211 Market St., $2,459.

★**Pa., Washington** — Mailing Vestibule — Treas. Dept., Wash., D. C., let contract building, in Post Office, here, to W. McDonald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $3,939. Noted Oct. 21.

D. C., Wash.—Conduit, Wiring, etc.—Treas. Dept. received bids Nov. 11, furnishing conduit, wiring and lighting fixtures in Butler Bldg., from Detroit Electric Co., 2155 Champlain St. N. W., $1,810 (35 days); Standard Eng. Co., 2129 I St., N. W., $2,040 (45 days); J. R. Proctor, Inc., 74 Cortlandt St., New York City, $2,099 (120 days). Noted Oct. 21.

D. C., Wash.—Motor Generator Sets, etc.—U. S. Engineer, 305 Southern Bldg., received bids furnishing motor generator sets, transformers, pumps, etc., (1) work complete, from Worthington Pump & Mchy. Corp., Homer Bldg., (1) $38,759, alternate, deduct, $140, (2) $10,205, (3) $7,003, (4) $6,037, (5) $12,841, total, $74,845, (275 days); De Laval Steam Turbine Co., North Clinton St. and Pennsylvania R.R. tracks, Trenton, N. J., (1) $41,100, alternate, deduct $150, (2) $11,990, alternate add $400, (3) $7,520, (4) $6,560, (5) $13,700, total $79,879, (300 days); Ellicott Machine Corp., Bush and Severn Sts., Baltimore, Md., (1) $52,844, (2) $14,059, (3) $6,840, (4) $5,895, (5) $12,540, total, $90,300, (315 days); Westinghouse Electric & Mfg. Co., Hibbs Bldg., total for De Laval pumps, $74,845, Worthington pumps, $75,919, alternate bid, deduct $1,200. Delivery: ship all apparatus except pumps for sand washing and motors and motor generator sets within 10 months, complete erection in 11 months, and can ship motors for sand washing pumps and motor generator sets in 13 months, complete erection of same in 14 months.

★**Va., Cape Charles**—Sewer Pipe—Treas. Dept., Wash., D. C., let contract installing sewer pipe at Quarantine Sta., here, to J. Stewart & Co., 30 Church St., New York City, $3,100.

Ind., Indianapolis—Mezzanine Floor—Treas. Dept., Wash., D. C., received bids Nov. 10, building in Post Office, here, from Brandt Bros. Co., Chamber of Commerce Bldg., $1,740; W. McDonald Constr. Co., 4400 North Main St., St. Louis, Mo., $2,190 (90 days); R. L. Elder, 219 North Delaware St., $2,220 (75 days). Noted Oct. 28.

Ill., Bloomington—Loading Shed—Treas. Dept., Wash., D. C., received bids Nov. 9, installing in Post Office, here, from G. Gildner, Bloomington, $998; C. J. Wilderstreet, $1,050; West Side Planing Mill Co., Bloomington, $1,218. Noted Oct. 28.

Cal., Mare Island — Heating System—Spec. 4189—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids installing in Navy Yard, here, (1) work complete, from Empire Steam & Hot Water Heating Co., 600 North Howard St., Baltimore, Md., (1) $54,880, (2) $2,500, (3) $1,500 (150 days); Austin Eng. Co., 121 West 42nd St., New York City, (1) $63,475 (150 days), (2) $1,800, (3) $1,900; T. Conlin Plumbing & Heating Co., 3978 Cottage Grove Ave., Chicago, Ill., (1) $65,413, (2) $1,600, (3) $1,175 (120 days). Noted Oct. 28.

Miscellaneous

PROPOSED WORK

Coal Pocket—Middleton, Mass.—Comrs. Essex Co., Court House (Salem), plans to build rein.-con. coal pocket, here. About $15,000. J. H. Bickford Co., 6 Beacon St., Boston, archts.

Generators, Turbines, etc.—Dayton, O.—Dayton Power & Light Co., 4th and Jefferson Sts., authorize $1,000,000 bond issue, to purchase generators, turbines, transmission material, transformers, etc.

Park—Dayton, O.—City plans to build new park in Dayton View on west side Miami River, including grading, paving roadways, erecting buildings and playground apparatus, etc. About $250,000. L. Lott, Dayton, archt.

Tract Development—Osborn, O.—Village purchased 267 acres and plans to remove whole village to new site. Work includes construction of streets, sewers and waterworks system and removal of present buildings. About $300,000. M. D. Rice, Osborn, atty.

Tunnel — Detroit, Mich. — Bd. Water Comrs., 232 East Jefferson Ave., having plans prepared by T. A. Leisen, engr., 232 East Jefferson Ave., for ½-mi. tunnel under Mt. Elliott and Elmwood Cemeteries, involving 48 in. c. i. watermains, electric conduits, wire, cables, etc.

Grain Elevator — Minneapolis, Minn. — Central Milling Co., 828 18th Ave. N. E., plans to build concrete grain elevator to replace one destroyed by fire. About $75,000. M. F. Payne, pres.

Fire Protection—Red Wing, Minn.—See "Sewers."

Stadium—Lawrence, Kan.—State Building Comrs., having plans prepared by L. Bailey, archt., Lawrence, for rein.-con. and steel stadium, rein.-con. flooring, concrete foundation, here. About $100,000

Breakwater, Pier, etc.—Missoula, Mont.—Missoula Light & Water Co., Masonic Temple Bldg., plans to build 150 ft. breakwater, also concrete and steel pier, etc. About $20,000. Work will probably be done by day labor. J. C. Phillips, secy. Power Eng. Co., 621 Metropolitan Life Bldg., Minneapolis, engrs.

Incinerator—Austin, Tex.—City election Dec. 12, to vote on $25,000 bonds to build garbage incinerator. C. E. Leonard, city engr.

Swimming Pool—Austin, Tex.—City election Dec. 12, to vote on $20,000 bonds to build swimming pool. C. E. Leonard, city engr.

Dam—Price, Utah—Mammoth Reservoir Co. plans to rebuild dam. About $150,000. C. J. Ulrich, State Capitol, Salt Lake City, engr.

Incinerators—Montreal, Que.—City soon receives bids building 3 incinerators. About $1,000,000. A. E. Doucet, city engr.

Tunnel—Montreal, Que.—City plans to build tunnel from site of Bonsecours Market to Craig St. at City Hall Ave., about 600 ft. long, 100 ft. wide. About $250,000.

Road Machinery—St. Lambert, Que.—C. E. Drinkwater, engr., soon receives bids for road machinery. About $20,000.

Steel Pipe—Vancouver, B. C.—City receives bids about Nov. 25 furnishing 2,650 ft. 16 in. steel riveted pipe. F. L. Fellowes, City Hall, engr.

BIDS DESIRED

Dock Wall—Buffalo, N. Y.—Until Dec. 14, by E. S. Walsh, supt. Pub. Wks., Capitol, Albany, building portion of dock wall around Ohio Basin, here, Terminal Contr. 53-A. Reversed; advertised in this issue. Noted Oct. 21.

Dumping Scows—New York, N. Y.—Until Nov. 23, by F. A. Eschmann, acting comr. Street Cleaning Dept., Room 1244, Municipal Bldg., furnishing and delivering 5 dumping scows. Former bids rejected. Noted Nov. 11.

Dryer Cylinder, etc.—New York, N. Y.—Until Nov. 26, H. Bruckner, pres. Bronx Boro., Municipal Bldg., Crotona Park, Tremont and 3rd Aves., furnishing and delivering 1 dryer cylinder complete to fit Cummer Rd. plant, 1,500 bags Portland cement and 2,000 cu.yd. hard coal clean steamed boiler ashes.

Under Ground Cables—New York, N. Y.—Until Nov. 29, by R. E. Enright, police comr., 240 Centre St., installing new underground cables and telephone cable on Manhattan Bridge structure between Manhattan and Brooklyn anchorages to said bridge.

Pipe and Specials—East Orange, N. J.—Until Nov. 22, by Bd. Water Comrs., furnishing 100 ton c.i. pipe and specials. R. M. Roper, 436 Main St., engr.

Rock Crusher, etc.—Black Creek, Wis.—Outagamie Limestone Co., 75 30th St., Milwaukee, receiving bids on rock crusher, bucket elevator and pulverizer for quarry, here.

Gas Mains etc.—Fort Atkinson, Wis.—H. H. Smith, city clk. receiving bids on 7,000 ft. 6 in. c.i. gas mains, 6 ft. water gas generator set, station meter purifiers and air blowers. About $25,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Crane Runway — Worcester, Mass.** — Morgan Constr. Co., 15 Belmont St., let contract building steel crane runway 250 ft. long, 60 ft. wide, on concrete piers, at Crescent St. plant, to Eastern Bridge & Structural Co., 88 Crescent St. About $25,000.

★**Gasoline Storage Tanks—Bridgeport, Conn.**—Tidewater Oil Corp., Bostwick Ave., let contract constructing 2 gasoline storage tanks, one to be 55 ft. diameter, 30 ft. high and other 30 ft. diameter, 30 ft. high, concrete foundations, to Eastern Eng. & Constr. Co., 886 Main St. About $25,000.

★**Steel Runway, etc.—Bridgeport, Conn.** — Bridgeport Screw Co., Union Ave., let contract constructing steel runway, monorail and crane, to Porcupine Co., 730 Wordin Ave. About $15,000.

★**Conduit System—New Britain, Conn.**—City will build 50,000 lin.ft. vitr. hollow tile and wood conduits in Park St. Work will be done by day labor.

Entrance — Brooklyn, N. Y. — Transit Comm., 49 Lafayette St., New York City, received bids Nov. 11, improving entrance to Boro. Hall Sta., through Isle of Safety, from J. Schlesinger, 259 West 30th St., New York City, $19,835; J. R. Roberts Co., $20,485; S. F. Jones, $22,987.

Heating and Ventilating Apparatus—New York, N. Y.—Bd. Educ. received bids Nov. 9, repairing and altering heating and ventilating apparatus in (a) P. S. 74, (b) P. S. 81, from Miller & Brady, Inc., 210 East 38th St., (a) $6,000, (b) $17,399; J. Dames Co., 199 Nostrand Ave., Brooklyn, (a) $6,278; D. J. Rice, 405 Lexington Ave., (a) $7,223, (b) $17,182; L. Ruetzle Co., Inc., (b) $16,422.

Repairing Roofs, Etc.—New York, N. Y.—Bd. Welfare received bids Nov. 12, repairing and replacing roofs, gutters and leaders of Nurses Home, Metropolitan Hospital, from Northern Waterproofing Co., 170 East 73rd St., $23,417; Central Cornice Wks., 336 West 37th St., $27,165; Anchor Corrugating Constr. Co., 140 Washington St., $34,850.

★**Amusement Park—Atlantic City, N. J.**—Boardwalk Park Co., Continental Bldg., Baltimore, let contract building amusement park, steel, concrete and stucco, to W. Beaumont, 12 South Tennessee Ave. About $300,000.

Splice Bars—Detroit, Mich.—Street Ry. Comn., Marquette Bldg., received bids furnishing 10,000 pair splice bars, from Whitehead & Kales Iron Wks., Beecher Ave. and along tracks of Michigan Central Ry., $24,900; Lorain Steel Co., 53 West Jackson Blvd., Chicago, $27,000; Bethlehem Steel Co., Bethlehem, Pa., $35,000.

★**Foundation—Milwaukee, Wis.**—Standard Oil Co., Brumder Bldg., let contract constructing rein.-con. foundation for 4 story, 75x100 ft. rein.-con. and brick office and service building, on Sycamore St., to Universal Constr. Co., 79 Wisconsin St. Total cost, $300,000. Noted Sept. 2 under "Buildings."

★**Foundation — Milwaukee, Wis.** — E. Schuster & Co., 6th and Mitchell Sts., let contract constructing concrete foundation for 4 story, 69 x 120 ft. store building, on Mitchell St., to T. Stark & Co., 425 East Water St. Noted Sept. 23 under "Buildings."

★**Steel and Operating Machinery, Etc.—Jefferson City, Mo.**—State Highway Dept. let contract furnishing 750,000 lb. fabricated structural steel, for bridge over Osage River, near Hubers Ferry, Federal Aid Project 12, Osage and Cole Counties, to Stupp Bros. Bridge & Iron Co., Frisco Bldg., St. Louis, $46,275, also furnishing 9,000 lb. sheaves, shafts and bearings, 1,000 lb. equalizers and pins, and 6,000 lb. operating machinery, for above project, to Federal Bridge & Structural Co., Lincoln Ave., Waukesha, Wis., $5,056. See item under "Bridges."

Portland Cement—San Diego, Cal.—A. H. Wright, clk., received bids Nov. 3, furnishing 25,000 bbl. Portland cement for Barrett Dam (prices include freight to job), from U. S. Potash Co., 608 Hibernian Bldg., Los Angeles, at $4.20¢ per bbl.; J. S. Schirm Commercial Co., 268 4th St., $4.36¢; Spreckels Bros. Commercial Co., Sante Fe Wharf, and California Portland Cement Co., Douglas Bldg., Los Angeles, each $4.37.

OFFICIAL PROPOSALS

Bids: Dec. 1.

Grading

STATE OF NEW JERSEY
STATE OF HIGHWAY COMMISSION
Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Completion of grading on State Highway Route No. 3, Ancora-Atco Section, Camden County, estimated 15,349 cu.yds. of excavation and 13,418 cu.yds. of extra embankment.

Bids will be opened and read in public at the State House, Trenton, New Jersey, on Wednesday, December 1st, 1920, at 2 P.M.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and at the office of J. A. Williams, Division Engineer, 503 Market Street, Camden, New Jersey, and may be inspected by prospective bidders. Plans and specifications will be furnished on deposit of Ten Dollars ($10.00) upon application to the Division Engineer, 503 Market Street, Camden, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, same to be enclosed in sealed envelopes bearing the name and address of bidder and the name and section of the route on the outside, addressed to State Highway Commission, Broad Street Bank Bldg., Trenton, N. J., and must be accompanied by a certified check for not less than ten per cent (10%) of the amount of the bid, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

BY ORDER OF THE STATE HIGHWAY COMMISSION.

A. LEE GROVER,
Chief Clerk.

Bids: Dec. 14.

Canal Improvements

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS
Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, December 14th, 1920, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911 and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT NO. 53-A Revised.

For constructing certain portions of the dockwall around Ohio Basin, Buffalo.

Contract plans, sheets 1-7.

Plans may be seen and detailed specifications, engineer's estimates of quantities, proposal blanks, forms of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposit of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

EDWARD S. WALSH,
Superintendent of Public Works.
November 9th, 1920.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Official Proposals reaching our office in first mail Wednesday morning (9 o'clock) can usually be published in the issue out the next day. Special price for Official Proposals, 40 cents a line.

Bids: Dec. 7.

Furnishing and Laying Pipe

DEPARTMENT OF LIGHT, WATER AND SEWERS
Saginaw, Mich.

Sealed proposals will be received by the City of Saginaw until Tuesday, Dec. 7, 1920, at 7.30 P.M., for furnishing, laying, connecting, testing and making water-tight a pipe connection from Porter Street to Washington Avenue, including crossing the Saganaw River.

Plans may be seen, and specifications, form of proposal, bond and contract obtained, at the office of the City Engineer, and at the office of Hazen, Whipple & Fuller, Consulting Engineers, 30 East 42nd Street, New York City.

The proposal for said work shall be accompanied by a certified check drawn upon a state or national bank, for $5,000, payable to the order of the City of Saginaw.

The checks deposited by the unsuccessful bidders will be returned by the City. The amount of the check deposited by the successful bidder shall be forfeited in the event that said bidder shall fail, within the time herein set forth, to execute the formal contract and deliver the bond hereinafter required. A bond in the sum of forty thousand ($40,000) dollars will be required to be executed by the party to whom the contract is awarded, with an incorporated surety company duly authorized to execute the same.

All bids will be compared on the basis of the Engineer's estimate of the quantities of work done, as follows:

Item 1: 11,000 cubic yards of preliminary dredging.
Item 2: 8,000 cubic yards of dredging.
Item 3: 300 cubic yards trench excavation below grade.
Item 4: 6,000 cubic yards trench excavation.
Item 5: 800 cubic yards of tamping.
Item 6: 900 cubic yards of fill.
Item 7: 703 feet double 24" river crossings, lump sum.
Item 8: 345 feet single 30" river crossing, lump sum.
Item 9: 2,440 feet 36" steel pipe, lump sum.
Item 10: 1,150 feet of 30" steel pipe, lump sum.
Item 11: Cast iron pipe and specials; 65,120 lbs., furnished and placed, lump sum.
Item 12: Placing gates, furnished by City, lump sum.
Item 13: 100 cubic yards concrete in bags below water.
Item 14: 500 cubic yards concrete in trench.
Item 15: 100 cubic yards all other concrete.
Item 16: 5,000 pounds steel reinforcing.
Item 17: Supporting tracks, lump sum.
Item 18: Appurtenances, lump sum.

These quantities are approximate only, being given as a basis for the comparison of bids, and the said City reserves the right to increase or decrease the amount of any class or portion of the work as may be deemed necessary by the Engineer. The contract will be awarded to the lowest and best responsible bidder, but the City reserves the right to reject any or all bids, should it deem it for the interest of the city to do so.

Bids will be considered for optional methods of doing certain parts of the work, which options shall be declared in the bid, and in considering the bids received, the City will consider not only the prices bid, but also the strength and reliability and durability of the materials and designs and methods, that are proposed in the bids under these options.

The work shall be commenced within sixty (60) days, and shall be completed November 1, 1921.

All proposals for the above work shall be addressed to the City of Saginaw, Michigan, and shall have indorsed on the envelope "Proposals for Saginaw River Crossing."

R. F. JOHNSON,
Commissioner of Light, Water and Sewers of the City of Saginaw.
Nov. 10, 1920.